

HIGH SCHOOL

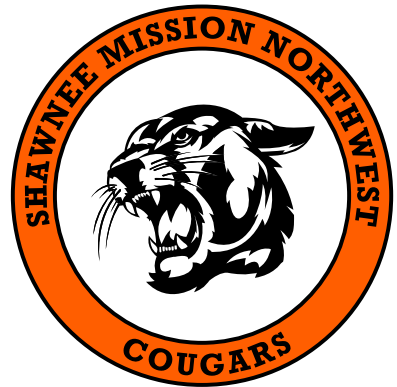
Program Planning Guide



2020-2021



SHAWNEE MISSION SCHOOL DISTRICT HIGH SCHOOLS





Dear Students and Parents:

We are excited to provide the 2020-2021 Shawnee Mission School District High School Program Planning Guide to serve as a reference for our students and their families during the development of our students' individual plans of study. As stated in the Objectives' section of the district's Strategic Plan, *"Every student will achieve academic success through a challenging, relevant personalized learning plan."* The information within this document explains the educational opportunities provided through our comprehensive learning model found within our high schools, the Career and Technical Campus (CTC), and the Center for Academic Achievement (CAA). The program planning guide has been prepared so that students may plan their course requests for next year. A complete listing and brief description of all courses offered in grades 9-12 is provided. Information about graduation requirements, eligibility requirements, grading policies, prerequisites for courses, and other topics are included in the document as well. The counselors at each high school will distribute specialized enrollment materials.

As a member of the high school learning community, students have an opportunity to choose from a number of curricular options and to participate in a variety of activities. The more involved students become in school; the more meaning school will have for them. Students obtain more from their educational experiences if their choices reflect their personal needs, interests, and talents. Please select carefully the courses which offer the greatest opportunity for learning and career goals.

If you have questions regarding any information in the High School Program Planning Guide, be sure to contact your school counselor.

Best wishes for a successful, well-planned, and rewarding 2020-2021 school year!

Sincerely,

Dr. Mike Fulton
Superintendent



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SHAWNEE MISSION

HIGH SCHOOL PROGRAM PLANNING GUIDE OVERVIEW

SHAWNEE MISSION SCHOOL DISTRICT COURSE OFFERINGS

This High School Program Planning Guide is designed to give you the information that will help you and your parents to make appropriate selections as you plan a course of study from the wide variety of offerings found in the Shawnee Mission School District. Each course is described and specific prerequisites are listed so that you will know whether or not you qualify to take a given subject. Prerequisite means you have successfully completed the entry requirements by either taking a listed course or receiving teacher recommendation because of prior experience in the field of study.

The Shawnee Mission School District offers a comprehensive Program Planning Guide for students in grades nine through twelve.

Courses designated as “enrollment based” are scheduled if there is sufficient enrollment to provide staffing for the course.

It is important that these decisions be made carefully with personal objectives and future goals in mind. Your teachers and counselors are available to help you in this process.

In addition to describing the courses offered, the guide provides information about graduation requirements, grades, credit, eligibility requirements, and recommended college and career preparatory programs.



SHAWNEE MISSION
SCHOOL DISTRICT

COURSE LOCATIONS

SCHOOL	ADDRESS	PHONE
Shawnee Mission East	7500 Mission Rd Shawnee Mission, KS 66208	913-993-6600
Shawnee Mission North	7401 Johnson Drive Shawnee Mission, KS 66202	913-993-6900
Shawnee Mission Northwest	12701 W. 67th St Shawnee Mission, KS 66216	913-993-7200
Shawnee Mission South	5801 W. 107th St Shawnee Mission, KS 66207	913-993-7500
Shawnee Mission West	8800 West 85th St Shawnee Mission, KS 66212	913-993-7800
Horizons	5900 Lamar Shawnee Mission, KS 66202	913-993-9500
Career and Technical Campus (CTC) Project Blue Eagle	11475 W 93rd St Shawnee Mission, KS 66214	913-993-0900
Center for Academic Achievement (CAA)	8200 W. 71st St Shawnee Mission, KS 66204	913-993-6200

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GRADUATION REQUIREMENTS

DISTRICT GRADUATION REQUIREMENTS

For students graduating in 2020 and beyond, 23.5 units of credit in grades 9-12 will be required. Please see Board Policy IHF for details.

The Shawnee Mission School District high school graduation requirements are designed to be completed in eight semesters. The district high school program is designed to be completed in 8 semesters. A candidate for graduation from this school district must have been in attendance in the district during the last semester of his or her senior year. While it is possible to meet graduation requirements in less than eight semesters, early graduation is not the intent of the district. It is strongly recommended that all students attend the full 8 semesters.

UNITS OF CREDIT

A unit of credit represents the equivalent of a year's work with a passing grade. A full-year course receives one unit of credit per period. A semester course receives a half unit of credit per period. Select courses offered at the Center for Academic Achievement (CAA) and Career and Technical Campus (CTC) may earn one unit of credit per semester based on a double-block class time schedule.

CLASSIFICATION OF STUDENTS

Students attain grade level classification according to the number of course units earned and the number of years completed at the high school level in grades 9-12. Students are classified after the completion of the summer school session.

GRADE LEVEL	CLASS OF 2020 AND BEYOND MINIMUM CREDITS EARNED
Grade 9	0.00
Grade 10	5.50
Grade 11	11.50
Grade 12*	16.50

*Students may be reclassified after first semester to grade 12 if they have earned 19 credits (units) and are on track to graduate in May with an approved plan.

INDIVIDUAL PLAN OF STUDY

Early planning by each student toward a Four-Year Individual Plan of Study is very important. In planning what courses to take, the student must be continually aware of the need to fulfill the requirements for graduation. Students are also encouraged to investigate, with their counselors and/or parents, the requirements of the specific college or university they may wish to enter, taking that information into consideration in designing their Four-Year Individual Plan of Study. Counselors are a vital resource in this planning process. Counselors can provide an important service in helping students evaluate their interests, abilities, and goals. They assist students in planning a program of selected courses that will best contribute to the fulfillment of their college and career goals. Each student, with the aid of the family and counselor, will build their own individual plan of study. Plans include interest inventories, surveys to identify college and career interests, a resume, and a four-year plan for each student's course of study. Students update these plans periodically, and we encourage parents and students to reference this information during the enrollment planning process.

SHAWNEE MISSION

GRADUATION REQUIREMENTS

MINIMUM GRADUATION REQUIREMENTS PLAN OF STUDY

The Shawnee Mission School District encourages its students to take a rigorous high school curriculum in order to prepare them for college and career.

The four-year plan of study listed below is the minimum students must take (and pass) in order to graduate.

Grade 9	
ELA 1	1 unit
World Regional Studies	1 unit
Mathematics	1 unit
Science (Biology)	1 unit
Health**	½ unit
Physical Education**	½ unit
Electives	2 units

Grade 10	
ELA 2	1 unit
Mathematics	1 unit
Science	1 unit
Physical Education**	½ unit
Fine Arts**	1 unit
Electives	2½ units

Grade 11	
ELA 3	1 unit
United States History	1 unit
Mathematics	1 unit
Science	1 unit
Financial Literacy**	½ unit
Electives	2½ units

Grade 12	
ELA 4	1 unit
American Government	½ unit
Social Studies Elective**	½ unit
Electives	5 units

**These required electives for graduation may be taken at anytime, including summer and eSchool options.

FINE ARTS GRADUATION REQUIREMENT

The following is a list of courses that may be applied toward the minimum fine arts graduation requirement.

<p style="text-align: center;"><u>Visual Arts</u></p> <p>Credit in all visual art courses may apply toward the fine arts credit.</p> <p style="text-align: center;"><u>Business</u></p> <p>Digital Design Digital Design Studio Game Design and Development Web Design</p> <p style="text-align: center;"><u>Construction and Design</u></p> <p>Computer-Aided Manufacturing Design 1, Computer-Aided Architectural Design 2, Computer-Aided Architectural Design, Computer-Aided Industrial Design, Introduction to Computer-Aided</p> <p style="text-align: center;"><u>Family and Consumer Science</u></p> <p>Commercial Baking 1 & 2 Culinary Arts 1 & 2 Fashion Merchandising Foods, Advanced</p>	<p style="text-align: center;"><u>Family and Consumer Science (cont.)</u></p> <p>Food, International Interior Design Fashion, Apparel Interior Design Studio Fashion, Apparel Interior Design Essentials</p> <p style="text-align: center;"><u>Manufacturing</u></p> <p>Welding 1 & 2 Wood Design and Fabrication Wood Design 2</p> <p style="text-align: center;"><u>Center for Academic Achievement</u></p> <p>Commercial Baking 1 & 2 Culinary Arts 1 & 2 Game Design and Development 2D Animation and Motion Graphics 1 & 2 3D Modeling and Animation 1 & 2</p> <p style="text-align: center;"><u>Engineering-Project Lead the Way</u></p> <p>Introduction to Engineering Design</p>	<p style="text-align: center;"><u>English Language Arts</u></p> <p>Actor's Studio Competitive Speech and Drama, Beginning and Advanced Digital News Media Production Digital Photo Media Digital Yearbook Production Introduction to Theater Repertory Theatre Repertory Theatre, Advanced Technical Theater Video Production 2 Video Production Advanced</p> <p style="text-align: center;"><u>Performing Arts</u></p> <p>Credit in all performing arts courses may apply toward the fine arts credit.</p> <p style="text-align: center;"><u>Physical Education</u></p> <p>Dance</p> <p style="text-align: center;"><u>IB Programs</u></p> <p>IB Dance IB Film Studies SL IB Film Studies HL</p>
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SHAWNEE MISSION

GRADUATION REQUIREMENTS

Courses	SMSD Class of 2020 and beyond Graduation Requirements	<p>Kansas Scholars Curriculum http://www.kansasregents.org/students/student_financial_aid/kansas_scholars_curriculum</p> <p>The Kansas Board of Regents (KBOR) has voted to make the Qualified Admissions Curriculum (https://www.kansasregents.org/qualified_admissions/317-approved-qualified-admissions-curricula-at-high-schools) a recommendation rather than a requirement in the college admissions process. Instead, the new system will consider a student's ACT score and grade point average. The changes go into effect for the graduating class of 2021 and affect students applying to any of the six Kansas Regents institutions.</p>
ENGLISH LANGUAGE ARTS ELA 1 (English 9) 1.0 unit ELA 2 (English 10) 1.0 unit ELA 3 (English 11) 1.0 unit ELA 4 (English 12) 1.0 unit	4 units	4 units SMSD graduation requirements fulfill the minimum requirement in this subject area.
SOCIAL STUDIES World Regional Studies 1.0 unit United States History 1.0 unit American Government .5 unit Social Studies Elective .5 unit	3 units	3 units SMSD graduation requirements fulfill the minimum requirement in this subject area.
MATHEMATICS 3.0 units	3 units	4 approved units Either Algebra I*and Geometry or Integrated Algebra/Geometry 1 and 2, Plus: Algebra II and one unit advanced mathematics *Completion of Algebra I in 8th grade is acceptable for the Kansas Scholars Curriculum.
SCIENCE 1 unit must be a laboratory science. To include 1 unit of Biological Science and 1 unit of Physical Science	3 units	3 units Biology Chemistry Physics A fourth year of science is recommended.
PHYSICAL EDUCATION Physical Education 1 unit Citizenship/Leadership Development NS 1.0 unit	1 unit	
WORLD LANGUAGE		2 units of one World Language
HEALTH	0.5 unit	
FINE ARTS	1 unit	
FINANCIAL LITERACY	0.5 unit	
TOTAL REQUIRED UNITS	16 units	
ELECTIVE UNITS	7.5 units	
GRADUATION REQUIREMENT TOTAL	23.5 units	

SHAWNEE MISSION

GRADUATION REQUIREMENTS

CREDIT ATTAINMENT- Students may obtain credit through the following:

ACHIEVED CREDIT

The student receives credit based on the successful completion of an established course. Unless otherwise indicated in the course description, courses may only be taken once for credit. If a student passes a course with a grade of D, the student may appeal to the building principal for the opportunity to repeat the course. Both grades earned will be posted to the student's transcript and calculated in the GPA; however, no additional credit is earned.

ASSIGNED CREDIT

The student receives credit based on the approval of the building principal or the principal's designee for prior work completed at a non-accredited institution or home school. In order to assign proper credit, students must provide transcripts from previous schools. If no official transcript is available, the family will provide a typed transcript of previously completed coursework. This transcript will include, the name of the course, the grade earned, a list of all instructional resources used including title, author, publisher, and copyright date, or other supporting documentation of academic work. If a student transfers from a non-accredited private school to a Shawnee Mission high school, the district high school is not required to accept the transfer of credit.

Such approval may be given upon the recommendation of the appropriate division coordinator after examination of the course content and alignment as well as the student's performance. Credit may also be assigned for the successful completion of courses taken prior to the ninth grade if the courses have equivalent content and rigor. Approval of such coursework must be given by the principal prior to taking the course. These credits are entered on the high school transcript at the time of admission to the ninth grade. Such credit may be used to meet the district's graduation requirement. Courses offered in 8th grade and in high school may be awarded high school credit if taken prior to the 9th grade. Specific courses offered for high school credit are designated in the Middle School Program of Studies approved on an annual basis by the board.

Credit for a sequential course may be assigned retroactively following successful completion (60% or better) of the next level course in that curricular area. The original grade earned will be recorded on the transcript. Validation may occur at semester with administrator approval.

If a student is not enrolled in a sequential course that can be validated through the procedure described above, competency (60% or better) must be demonstrated by passing a departmental exam for each course. If the student meets competency, the original grade earned will be recorded on the transcript.

Only courses for which there is a Shawnee Mission equivalent will be considered for validation. Honor grade points may be validated if the following criteria are met:

1. There is an equivalent Shawnee Mission honors or advanced placement course.
2. The honors or advanced placement designation is noted on the official transcript from an accredited institution.
3. A grade of A or B was earned, or for the class of 2024 and beyond, grades of "C" will also receive weighting.

CREDIT BY EXAMINATION

A student may earn credits towards high school graduation by demonstrating mastery of the course outcomes through a performance instrument. The standards for designing and passing the performance instrument shall be set sufficiently high to ensure credits earned by such a means shall be equivalent to those offered in the framework of the Carnegie unit. This performance instrument must be reviewed and approved by the district curriculum department. Credit for such classes shall be awarded only on a pass/fail basis with the student earning at least 80% on the performance instrument.

Given the requisite approval, a student may undertake the credit by examination process for a specific course only once. Students may not receive honors credit through credit by examination. The credit by examination procedure must be completed prior to the student taking the course during the regular school term.

SHAWNEE MISSION

GRADUATION REQUIREMENTS

CREDIT FOR OUT-OF-DISTRICT CORRESPONDENCE COURSES AND OUT-OF-DISTRICT VIRTUAL COURSES

The student receives credit based on successful completion of out-of-district courses by correspondence or through out-of-district virtual courses from accredited institutions.

FINAL EXAMS

Comprehensive semester examinations will be given in all high school courses. Each student's examination grade will represent a portion (but not more than 20%) of the semester grade. Any student enrolled in an Advanced Placement (AP) course or International Baccalaureate (IB) course may be exempt from the final examination based on the following criteria:

AP/IB Final Exam Exemption

Any student enrolled in AP or IB courses may be exempt from second semester final exams if they take the AP or IB exam for that course. Students must fully participate in the respective AP or IB exam to qualify for the exemption. Any student taking both the AP exam and the dual college credit option will be required to take the final exam *if that final exam is a requirement* of the college or university for the given course.

Any student taking both the AP exam and the dual college credit option at the college or university *does not require a final exam*, the student may opt out of the Shawnee Mission School District teacher-generated final exam per the exemption guidelines.

If the student is not taking the AP exam, then the student will take the required final exam, whether from the college/university or from the Shawnee Mission School District teacher.

SHAWNEE MISSION

ACADEMIC GRADES OR MARKS

**All academic grades shall be determined solely by student achievement of clearly stated instructional expectations.
Possible grades or marks are defined as follows:**

Letter Grade / Mark	Definition	Percentage / Description
A	Superior Work	90% - 100%
B	Above Average Work	80% - 89%
C	Average Work	70% - 79%
D	Below Average Work	60% - 69%
F	Failing	Student has not progressed far enough to receive a passing grade. The student's parents or guardian must be notified prior to an F being given.
E	Excused	Course waiver based on unusual circumstance as granted by the building principal.
I	Incomplete	Only those students who have been excusably absent and need additional time to complete missed work should be given an incomplete grade at the grading periods.
N	No Credit	Student has not completed sufficient work to earn a grade, such as a student who transfers from another school district with this grade designation listed on their transcript.
NG	No Grade	Used for seminar and other time periods where no grades are applied.
P	Passing	Credit for an academic course (with administrator's approval). This may be given for homebound course work upon mutual agreement between the teacher and student.
Q	Competency	Competency testing out of a class.
WF	No Credit	Student withdraws from a course with a failing grade. WF- Withdraw Failing
WP	No Credit	Student withdraws from a course with a passing grade. WP - Withdraw Passing

GRADE POINT AVERAGE (GPA)

Grade point averages are computed regularly in grades 9-12 and are based on the final semester grade earned in each course. Grade points for all credit courses, other than Honors or Advanced Placement courses, shall be computed as follows:

A = 4 points B = 3 points C = 2 points D = 1 point F = 0 points

HONOR ROLL

Shawnee Mission recognizes academic excellence by placing students on one of two honor rolls:

3.0 Honor Roll, a student must have a GPA (grade point average) of 3.0 for a minimum of 2.5 credits per semester. The grades of "A," "B," "C," "D," and "F" will be used to calculate the GPA. Grades of "Q," "P," "E," "NG," "WP," or "WF" are not used in the GPA computation formula. A grade of "N," "D," "F" or "I" will eliminate the student from being named to the Honor Roll.

Principal's Honor Roll, a student must have a GPA (grade point average) of 4.0 or above and be enrolled in a minimum of 2.5 credits per semester. The grades of "A," "B," "C," "D," and "F" will be used to calculate the GPA. Grades of "Q," "P," "E," "NG," "WP" or "WF" are not used in the GPA computation formula. A grade of "N," "C," "D," "F," or "I" will eliminate the student from being named to the Principal's Honor Roll. Students who earn all "A's" will have special designation by an asterisk on any information distributed to the public.

SHAWNEE MISSION

ACADEMIC GRADES OR MARKS

CALCULATING GRADE POINT AVERAGE

The traditional method for computing a student's grade point average is to divide the total number of academic grade points earned by the total number of course units. To encourage students to take more rigorous courses, Shawnee Mission enhances this method by awarding extra credit for taking honors courses and for taking additional courses beyond the minimum required. The formula for the Shawnee Mission GPA is as follows:

$$\text{GPA} = \frac{[(\text{Student Course Units} - \text{Minimum Course Units}) \times \text{Factor}] + \text{Grade Points}}{\text{Student Course Units}}$$

The **minimum** number of units that are used at each GPA calculation period are as follows:

Grade 9	Semester 1	2.875 units	Semester 2	5.750 units
Grade 10	Semester 1	8.625 units	Semester 2	11.500 units
Grade 11	Semester 1	14.375 units	Semester 2	17.250 units
Grade 12	Semester 1	20.125 units	Semester 2	23.500 units

Factor

This figure is calculated based on the total regular and honors courses offered and the required graduation units. The factor is 0.86.

Total Grade Points

Use the chart below to calculate the Total Grade Points Earned. Chart on the right is a sample to assist you in the process. The sample is for a student in grade 11 after completion of semester 1. The student has earned 6 A's and 29 B's. This translates into 3 credits in A's and 14.5 credits in B's assuming each course is 0.5 credits.

This calculation is shown in the left table. The right table is for your individual calculations.

Letter Grade*	Credits**	Points Per Letter Grade	Points Earned = (Credits x Points)
A (honors course)		x 5.0	
A (regular course)	3	x 4.0	12
B (honors course)		x 4.0	
B (regular course)	14.5	x 3.0	43.5
C (honors courses)***		x 3.0	
C (all courses)		x 2.0	
D (all courses)		x 1.0	
F (all courses)		x 0.0	
TOTAL	17.5		55.5

Letter Grade*	Credits**	Points Per Letter Grade	Points Earned = (Credits x Points)
A (honors course)		x 5.0	
A (regular course)		x 4.0	
B (honors course)		x 4.0	
B (regular course)		x 3.0	
C (all courses)		x 2.0	
D (all courses)		x 1.0	
F (all courses)		x 0.0	
TOTAL			

$$\frac{[(17.5 - 14.375) \times 0.86] + 55.5}{17.5} = 3.325$$

* Courses that are awarded other letters such as P, Q, or NG are not used in the GPA formula. Hence, total credits in the GPA formula may be different from total credits earned toward graduation.

** For most courses, one semester is 0.5 credits. However, a small number of courses have other credit values such as 0.25 or 1.0. Read your grade history carefully to confirm the number of credits for each course.

*** In effect for the students in the graduating class of 2024.

SHAWNEE MISSION

PLANNING

COLLEGE & CAREER – SAMPLE PLANS OF STUDY

The Shawnee Mission School District encourages students to take a rigorous high school curriculum in order to prepare them for college and career. The four-year schedules listed below illustrate two sample high school plans of study. Students should make schedule decisions based on district graduation requirements, college and career plans, and personal preference.

COLLEGE & CAREER READY PLANS OF STUDY - SAMPLE 1

Grade 9	
ELA 1***	1 unit
World Regional Studies***	1 unit
Mathematics*** (Algebra, Integrated Algebra/Geometry 1 or Geometry)	1 unit
Science*** (Biology)	1 unit
Health**	½ unit
Physical Education**	½ unit
Career Pathways Electives	2 units

Grade 10	
ELA 2***	1 unit
Modern World History***	1 unit
Mathematics*** (Integrated Algebra/Geometry 2, Geometry or Algebra 2)	1 unit
Science*** (Physical Science, Chemistry, or Physics)	1 unit
Physical Education**	½ unit
Career Pathways Electives	2½ units

Grade 11	
ELA 3***	1 unit
United States History***	1 unit
Mathematics*** (Algebra 2)	1 unit
Science*** (Chemistry, Physics, or Biology 2)	1 unit
Financial Literacy**	½ unit
Career Pathways Electives	2½ units

Grade 12	
ELA 4***	1 unit
American Government***	½ unit
Math*** (beyond Algebra 2)	1 unit
Science*** (if three units have not been taken previously)	1 unit
Fine Arts	1 unit
Career Pathways Electives	2½ units

**These required electives for graduation may be taken at anytime, including summer and eSchool options.

***Students are encouraged to consider rigorous course options that could include honors or Advanced Placement (AP) when applicable.

COLLEGE & CAREER READY PLANS OF STUDY - SAMPLE 2

Grade 9	
ELA 1***	1 unit
World Regional Studies***	1 unit
Mathematics*** (Algebra, Integrated Algebra/Geometry 1 or Geometry)	1 unit
Science*** (Biology)	1 unit
Health	½ unit
Physical Education**	½ unit
Career Pathways Electives	1 unit
World Language*	1 unit

Grade 10	
ELA 2***	1 unit
AP European History***	½ unit
Mathematics*** (Integrated Algebra/Geometry 2, Geometry or Algebra 2)	1 unit
Science*** (Chemistry or Physics)	1 unit
Physical Education**	½ unit
Career Pathways Electives	2 units
World Language*	1 unit

Grade 11	
ELA 3***	1 unit
United States History***	1 unit
Mathematics*** (Algebra 2, College Algebra/Trig)	1 unit
Science*** (Chemistry, Physics, or Biology 2)	1 unit
Career Pathways Electives	1½ units
Financial Literacy**	½ unit
World Language*	1 unit

Grade 12	
ELA 4***	1 unit
American Government***	½ unit
Math*** (beyond Algebra 2)	1 unit
Science*** (if three units have not been taken previously)	1 unit
Career Pathways Electives	2½ units
Fine Arts	1 unit

* World Language is not required for graduation, or for admission to a Kansas Board of Regents university; however, many colleges and universities require or recommend it for admission.

**These required electives for graduation may be taken at anytime, including summer and eSchool options.

***Students are encouraged to consider rigorous course options that could include honors or Advanced Placement (AP) when applicable.

SHAWNEE MISSION

CONSIDERATIONS FOR COLLEGE

ADVANCED PLACEMENT (AP), INTERNATIONAL BACCALAUREATE (IB), AND HONORS (H) GRADE POINT COURSES

Taking challenging classes in high school is a great way to build new skills. Challenging courses take students to a deeper level of study in high school and help prepare students for the level of work required in college.

Honors and Advanced Placement courses are offered at all high school grade levels for students who have a strong interest in course content, a desire for greater rigor, and the motivation and commitment to accept the challenge of an advanced course.

Honors classes cover similar material as regular classes but at a faster pace and at a deeper level than regular classes.

The College Board's Advanced Placement (AP) courses offer college-level classes that help students develop and apply skills such as reading critically, solving problems analytically and writing clearly.

International Baccalaureate is a program that develops the intellectual, personal, emotional and social skills needed to live, learn and work in a rapidly globalizing world. This program is offered at the following Shawnee Mission High Schools: East, North and Northwest.

Honor grade points are only offered for Shawnee Mission high school courses or for transfer courses that meet the validation criteria. Grade points for certain advanced courses, which are designated with an (H) or (AP), shall be computed as follows for students graduating in

2020 – 2023: A = 5 points, B = 4 points, C = 2 points, D = 1 point, F = 0 points

For the graduating class of 2024 and beyond, the weighted courses will be awarded as follows:

A = 5 points, B = 4 points, C = 3 points, D = 1 point, F = 0 points

Art	
Studio Art (H) /AP	7632, 7633, 7635
IB Visual Arts SL (H), HL1 (H), HL2 (H)	7641, 7642, 7643
IB Visual Arts SL 2 (H)	7644
IB Film Studies SL	7286
IB Film Studies HL 1	7287
IB Film Studies HL 2	7288
Computer Science/Information Technology	
Computer Science A AP	2096
Engineering - Project Lead the Way	
Aerospace Engineering (H)	6782
Advanced Concepts in Computer Aided Design (CAD) (H)	6762
Civil Engineering and Architecture (H)	6780
Cybersecurity	6632
Digital Electronics (H)	6785
Engineering Design and Development (H)	6783
Principles of Engineering (H)	6784
Language Arts	
ELA 1(H)	1088
ELA 2(H)	1144
AP English Language and Composition	1153
IB English 11 HL 1 (H)	1155
AP English Literature and Composition	1630

IB English 12 HL 2 (H)	1633
Debate, Advanced (H) - Fall	1434
Mathematics	
Algebra 2 (H)	2064
Advanced Programming Concepts	2097
Calculus BC AP	2162
Calculus AB AP	2161
Calculus 3 (H)	2202
Computer Science SL 1 (H), SL 2 (H)	2092, 2098
Computer Science HL 1 (H), HL 2 (H)	2093, 2099
Differential Equations H/IB	2203
Geometry (H)	2114
IB Math SL 1 (H), SL 2 (H)	2071, 2072
IB Math Applications and Interpretation SL 1	2073
IB Math HL 1 (H), HL 2 (H)	2075, 2076
Precalculus (H)	2154
Statistics (H) /AP Plus	2247
Music	
Music Theory	7270, 7271
IB Music SL (H)	7284, 7311
IB Music HL (H)	7285
IB Music HL 1 (H)	7312
IB Music HL 2 (H)	7313

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CONSIDERATIONS FOR COLLEGE

IB Theatre SL 2 (H)	1545
Science	
Biology 1 (H) / IB HL (H)	4131, 4152
Biology 2 (H) /AP	4151
IB Biology 2 SL (H)	4144
IB Biology HL 2 (H)	4153
Recombinant DNA and Protein Diagnostics (H)	4143
Biotech in Agriculture and Pharmaceuticals (H)	4145
Biotech Research and Professional Learning Experience (H)	4147
IB Chemistry SL 1 (H)	4172
Chemistry 1 (H)	4169
Chemistry 2 (H) /AP	4183
IB Chemistry SL 2 (H)	4185, 4173
Environmental Science (H) /AP	4241
IB Physics 1 SL (H)	4218
IB Physics 2 SL (H)	4219
Medical Health Science 2 (H)	4138
Physics 1 (H) /AP	4204
Physics 2 (H) /AP	4214, 4217
Social Studies	
IB 20th Century World History	3374
European History (H) /AP/IB	3392, 3393, 3394
IB History of the Americas HL 1 (H)	3170, 3172
IB History of the Americas HL 2 (H) (.5 unit) (SME)	3171
IB History HL 1 (H) - History of the Americas	3168
IB History HL 2 (H) – History of the Americas	3169
IB History HL 1 (H) – European	3393
IB History HL 2 (H) – European	3394
Microeconomics (H) /AP	3282
Macroeconomics (H) /AP	3283
Psychology (H) /AP	3360
IB Psychology HL 1 (H)	3363
IB Psychology HL 2 (H)	3364

IB Psychology SL (H)	3362
United States Government and Politics (H) /AP	3207
United States History (H) /AP	3165
World Regional Studies (H)	3397
World Languages	
Arabic 4 (H)	5306
Chinese 4 (H)	5332
French 5 AP	5064
IB French 5 SL (H)	5068
IB French 5 HL (H)	5062
French 6 (H)	5063
IB French 6 SL (H)	5069
IB French 6 HL (H)	5070
German 4 (H)	5111
IB German 4 SL (H)	5119
Japanese 4 (H)	5406
Latin 4 (H)	5145
Latin 4 AP	5150
IB Latin 4 SL (H)	5152
IB Latin 4 HL (H)	5140
Russian 4 (H)	5432
Spanish 5 AP	5214
IB Spanish 5 SL (H)	5223
IB Spanish 5 HL (H)	5225
Spanish 6 (H)	5213
IB Spanish 6 SL (H)	5224
IB Spanish 6 HL (H)	5226

SHAWNEE MISSION

CONSIDERATIONS FOR COLLEGE

SELECTIVE COLLEGE ADMISSIONS, NON-KANSAS BOARD OF REGENTS AND OUT-OF-STATE COLLEGES/UNIVERSITIES

Those students anticipating enrollment in highly selective private or public colleges or universities should investigate the specific requirements of those institutions of higher education and make appropriate course and activity selections. Students who plan to attend colleges or universities who are not governed by the Kansas Board of Regents including out-of-state need to contact the admissions department for specific guidance regarding enrollment.

KANSAS BOARD OF REGENTS - QUALIFIED ADMISSIONS

The Kansas Board of Regents (KBOR) has voted to make the Qualified Admissions Curriculum (https://www.kansasregents.org/qualified_admissions/317-approved-qualified-admissions-curricula-at-high-schools) a recommendation rather than a requirement in the college admissions process. Instead, the new system will consider a student's ACT score and grade point average. The changes go into effect for the **graduating class of 2021** and affect students applying to any of the six Kansas Regents institutions. The institutions, along with their revised admission requirements, are listed below:

University	Minimum ACT and/or GPA
Emporia State	21 ACT OR 2.25 GPA
Fort Hays State	21 ACT OR 2.25 GPA
Kansas State	21 ACT OR 3.25 GPA
Pittsburg State	21 ACT OR 2.25 GPA
University of Kansas	21 ACT AND 3.25 GPA - OR - 24 ACT AND 3.00 GPA
Wichita State	21 ACT OR 2.25 GPA

At its September 18, 2019 meeting, the Kansas Board of Regents (Board) approved amendments to the Qualified Admissions (QA) criteria. An additional step is required before the amended QA criteria takes effect. Based on statute (see K.S.A. 76-717), Board staff are required to integrate Board-approved QA criteria into Kansas Administrative Regulations before any such criteria are formally adopted. The process through which Kansas Administrative Regulations are changed takes approximately six months. Based on the timing required to complete this process, Board staff anticipate that the amended QA criteria will likely take effect during the 2021-2022 admission cycle. The 2021-2022 admission cycle encompasses the timeframe in which universities review applicants who seek admission for the Summer 2021, Fall 2021, or Spring 2022 semesters. **Thus, it is anticipated that universities will first apply the amended QA criteria when they begin reviewing applicants who seek admission for the Summer 2021 semester.**

Please check with the university to which you are applying to ensure that you understand their admission requirements. Shawnee Mission School District strongly encourages students interested in attending a college or university after high school graduation to follow the rigorous guidelines outlined in this section.

KANSAS SCHOLARS CURRICULUM and Eligibility for Kansas State Scholarship

State scholarship applicants will be designated as a State Scholar during their senior year of high school.

To be designated, a student must have taken the ACT by the end of December of senior year and complete the Kansas Scholars curriculum which includes:

1. 4 years of English
2. 4 years of math (Algebra 1, Geometry, Algebra 2, and 1 unit of advanced math)
3. 3 years of science (biology, chemistry, and physics)
4. 3 years of social studies
5. 2 years of one world language

For more information regarding the Kansas Scholars Curriculum, please reference the following web site:

https://www.kansasregents.org/students/student_financial_aid/kansas_scholars_curriculum.

Designation is based on an index combining the ACT composite score and GPA. Applicants must complete the FAFSA.

Awards are based on financial need.

See: https://www.kansasregents.org/students/student_financial_aid/general_info_for_more_information.

SHAWNEE MISSION

CONSIDERATIONS FOR COLLEGE

CONCURRENT CREDIT

Shawnee Mission high school students may have the opportunity to take academic courses in high school, which have been identified by the district, **Johnson County Community College (JCCC)**, and **Baker University** as concurrent credit courses. Upon payment of specified tuition and fees and upon successful completion of the courses, bona fide college credit can be earned. Only students admitted to designated college courses can apply for this special dual credit option. **JCCC College Now and Baker University** enrollment materials are distributed in the appropriate high school courses during the first 3 weeks of each semester. Courses proposed for JCCC College Now and Baker credit are found in the lower charts. Not all of these courses will be available for college credit at each high school. **Please refer to your building counseling department for a list of current and anticipated course offerings.**

See: <http://www.jccc.edu/admissions/early-college/index.html>

SHAWNEE MISSION COURSE TITLE	CREDIT HOURS	JCCC COURSE TITLE
Advanced Programming Concepts (Computer Science)	4	Basic Data Structures using Java
AP English Language and Composition	3	Composition I
AP English Literature and Composition	3	Composition II
Biology 2 AP	4	Principles of Cell and Molecular Biology
Calculus AB AP Sem 1 & 2, Calculus BC AP Sem 1	5	Calculus I
Calculus BC AP Sem 2	5	Calculus II
Certified Nurse (CNA)	5	Certified Nurse Aide
Chemistry 2 AP Sem 1 & 2	5	General Chemistry I
Computer Science A AP	4	Concepts/Prog Algorithms
Computer Science Principles (CSP) (H)	4	Basic Programming Structures
Environmental Science AP	3	Environmental Science
European History AP	3	Early Modern Europe (1500-1789)
French 4 Sem 1	5	French I
French 4 Sem 2	5	French II
French 5 AP Sem 1 & 2, IB French 5 SL (H)	3	Intermediate French I
Macroeconomics AP	3	Principles of Macroeconomics
Microeconomics AP	3	Principles of Microeconomics
Physics I AP	5	College Physics I
Precalculus (H)	5	Precalculus
Psychology AP Sem 1 & 2	3	Intro to Psychology
Spanish 4 Sem 1	5	Spanish I
Spanish 4 Sem 2	5	Spanish II
Spanish 5 AP Sem 1 & 2, IB Spanish 5 SL (H)	3	Intermediate Spanish I
Statistics AP Plus	3	Statistics
United States Govt. & Politics AP Sem 1 & 2	3	American National Government
US History AP Sem 1	3	US History to 1877
US History AP Sem 2	3	US History since 1877
Video Production Advanced	3	Basic Video Production

SHAWNEE MISSION

CONSIDERATIONS FOR COLLEGE

SHAWNEE MISSION COURSE TITLE	CREDIT HOURS	BAKER COURSE TITLE
Macroeconomics AP	3	Principles of Economics, Macro
Microeconomics AP	3	Principles of Economics, Micro
Psychology AP	3	General Psychology
*Teacher Education 1 or 2 and Teacher Internship	3	Intro to Education
*Teacher Education 1 or 2 and Teacher Internship	1	Education Field Practicum
*Students taking Teacher Education 1 or 2 and Teacher Internship concurrently will earn 3 credit hours from Baker.		

JCCC and Baker University will charge an amount not to exceed that charged to any student as tuition for enrolling in similar campus-based courses. No additional charge beyond those authorized for high school rental fees and materials used for classroom activities will be made. Tuition is subject to change.

PREREQUISITE FOR JCCC COURSES

Students enrolled in JCCC College Now must meet all the JCCC prerequisites for college enrollment. Consult your school counselor for more information regarding the enrollment prerequisites. As an additional resource, please refer to this website for more information.

<http://www.jccc.edu/admissions/high-school/college-now/index.html>

COLLEGE CAMPUS STUDY

Shawnee Mission high school juniors and seniors may, with approval at their home high school, enroll in courses in local colleges and universities or a technical program at an accredited post-secondary school in alignment with their Individual Plan of Study. The costs associated with enrolling in a post-secondary institution is the responsibility of the student. Some community colleges are able to waive tuition for tiered career technical courses as covered by the Excel in CTE program (formerly known as SB 155) such as outlined by JCCC:

<http://www.jccc.edu/admissions/high-school/sb-155.html>

Students will submit a College Campus Study Student/Parent Application form, available in the counseling office that will be reviewed by their counselor and the school administration. In addition, the student must complete a college Transcript Release; this form allows the college to release the student's grades to their high school. Students enrolling in a college campus study course will have the college course transcribed for SMSD high school credit upon district receipt of the college transcript.

Students may enroll in courses for a time that is equivalent to a maximum of three course periods at the high school level, including travel time. A request for a course beyond the three period equivalent must be approved by the building principal or their designee.

Please note that the district is not responsible for accidents that might occur while traveling to or from while participating in College Campus Study. For a complete description of College Campus Study, please ask your counselor for a College Campus Study packet, which includes all of the forms necessary for participation in the program.

COLLEGE NIGHTS

The district offers two college planning programs each fall. In addition, a college clinic in the district gives parents and students an opportunity to visit with representatives from more than 250 post-secondary institutions at SM East. The financial aid program provides in-depth information on financial assistance for college, including the FAFSA. The location of the financial aid program will be determined annually and publicized accordingly.

SHAWNEE MISSION

CAREER PATHWAYS

CAREER PATHWAYS

Shawnee Mission students explore career interests throughout their education from elementary school to high school. Career Pathways offer high school elective courses in a range of subjects and high-demand career fields for students to explore. Career Pathways are an important component to improve students' college and career readiness. Tomorrow's jobs will require additional knowledge, improved skills and highly flexible workers who continually update their knowledge and skills. The SMSD Career Pathways include:

- Journalism & Video Production
- Business Management & Entrepreneurship
- Construction & Design
- Engineering & Applied Mathematics
- Health Science
- Law, Fire & Public Safety
- Manufacturing
- Marketing
- Mobile Equipment Maintenance
- Network Systems
- Programming & Software Development
- Restaurant & Event Management
- Teaching/Training
- Visual Arts
- Web & Digital Communications

For more information about Career Pathways, please visit the Career & Technical Education page under the Academics heading at www.smsd.org.

CAREER PATHWAYS ADVANCED STANDING CREDIT

Career Pathways Advanced Standing Credit is a program that articulates high school classes to credit at Johnson County Community College and other Kansas community colleges at no cost to the student. As part of Career Pathways, instructors from participating high schools and Kansas community colleges align their curricula so students can begin a career path in high school and earn advanced standing credit in a college career program. Instruction is provided on high school campuses. After enrolling and paying fees for college coursework in any field, a student may apply to receive the advanced standing credit for eligible high school courses. Please go to: <http://www.jccc.edu/admissions/high-school/career-pathways/index.html> to find the most current list of articulated classes for JCCC.

The credit is subject to the following guidelines at JCCC:

Student Responsibilities:

- An application for admission to JCCC and a final high school transcript must be on file with the JCCC Admissions Office.
- Students must be currently enrolled or have completed at least one JCCC credit course in order to receive the credit.
- Beginning fall 2014, students may apply for Advanced Standing Credit for up to two (2) years after their high school graduation.

JCCC Responsibilities:

- The credit will be posted on the JCCC official transcript as Advanced Standing Credit by the Records Office.
- The grade will be posted as "P" on the JCCC official transcript.
- Credits may not apply toward the JCCC residency requirement for graduation.
- Students may earn a maximum of 30 hours of credit through nontraditional means.
- There is no expectation/guarantee of transferability of these courses. Transferability of these credits is determined by each college or university.

SHAWNEE MISSION

CAREER PATHWAYS

SIGNATURE PROGRAMS

Signature Programs provide Shawnee Mission high school students the opportunity to explore unique areas of study in preparation for specialized academic and future career opportunities. Students participating in Signature Programs receive targeted instruction that is both rigorous and relevant. These specialized programs reflect our district's commitment to providing quality educational opportunities that will enable students to be successful in 21st century careers and advanced studies. In the majority of programs listed below, introductory courses are offered (unless noted in the Program Planning Guide course information) at each of the respective high schools with advanced coursework offered at the **Center for Academic Achievement Campus (CAA)** and **Career and Technical Center Campus (CTC)**.

Signature Program coursework begins on page 73 in this planning guide.

For additional information visit the Signature Programs page under the Academics tab at www.smsd.org.

Biotechnology	CAA
Culinary	CAA and High Schools
Game Design and Development	CAA
Engineering – Project Lead the Way	CAA and High Schools
International Baccalaureate	SM East, SM North, SM Northwest
Medical Health Science	CAA
Project Blue Eagle	CTC

SHAWNEE MISSION

ADDITIONAL INFORMATION

ATHLETICS: NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA)

Before a student is eligible to participate in college athletics at the NCAA Division I or Division II level, the NCAA Eligibility Center must certify the student. Part of that certification process includes making sure that the student has successfully taken the required number of core courses. The required number of core courses is listed below. For further requirements to be deemed eligible contact the Student Services Office in your local comprehensive high school.

CORE UNITS REQUIRED FOR NCAA CERTIFICATION

CORE UNITS	DIVISION I	DIVISION II
English core	4 units	3 units
Mathematics core (Algebra 1 or higher)	3 units	2 units
Science core, Natural/Physical (1 yr of lab if offered)	2 units	2 units
Social Studies core	2 units	2 units
Additional English, Math, or Natural/Physical Science	1 unit	3 units
Additional courses (English, Math, Natural/Physical Science, Social Science, World Languages).	4 units	4 units
TOTAL CORE UNITS REQUIRED	16 units	16 units

Core Units/ Courses:

Only courses that appear on your high school's list of NCAA core courses will count toward the 16 core-course requirement; visit the NCAA Eligibility Center (<https://web3.ncaa.org/ecwr3/>) to access a full list of your high school's approved core courses.

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about test scores and the relationship with GPA, please review at http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/IE_Brochure.pdf

For guidance regarding the NCAA Eligibility Center, please refer to the following web page for more details:

file:///F:/POS%202020_21/Clearing%20House%20Guidance%20for%20HS%20POS%202020_2021.pdf.

A guide to student-athletes is found at the following web address: http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/CBSA.pdf

All courses delivered through Edgenuity within the Shawnee Mission School District do not meet the NCAA eligibility standards.

Additional traditional courses in SMSD that do not meet NCAA eligibility standards are as follows:

Computer Science/Information Technology: Computer Science Courses

English Language Arts: Communication Skills 1 and 2, Contemporary Communications, Intro to Theatre (Drama), Technical Writing,

Mathematics: Consumer Math and Finance, Intermediate Algebra

Science: Biotechnology Courses, Global Issues in Science 1 and 2, Medical Health Science,

Social Sciences: Applications in Law

NAIA Eligibility:

The NAIA Eligibility Center is responsible for determining the NAIA eligibility of first-time student-athletes. Any student playing NAIA sports for the first time is required to meet the eligibility requirements. Students must have their eligibility determined by the NAIA Eligibility Center and all NAIA schools are bound by the center's decisions. Students may obtain an NAIA Eligibility Center decision by meeting the following requirements:

Students who have completed their junior year of high school:

Test Score – Achieve a minimum of 16 on the ACT or 860 on the SAT

GPA – Achieve a minimum overall high school GPA of 3.0 on a 4.0 scale

Students who are midway through their senior year (completed 7th semester):

Test Score – Achieve a minimum of 16 on the ACT or 860 on the SAT

GPA – Achieve a minimum overall high school GPA of 2.5 on a 4.0 scale

SHAWNEE MISSION

ADDITIONAL INFORMATION

Students who have graduated must meet two out of the three following requirements:

Test Scores – Achieve a minimum of 16 on the ACT or 860 on the SAT

GPA – Achieve a minimum overall high school GPA of 2.0 on a 4.0 scale

Class Rank – Graduate in the top half of high school class

Reminder: Test scores must be sent directly from the testing service, not via transcript. Students must request for their test scores to be sent to the NAIA Eligibility Center at the testing services' website by using the NAIA Eligibility Center test code: 9876. Students who qualify for a fee waiver must have their counselors approve the fee waiver online through the NAIA High School Portal. For more information, please visit www.playnaia.org.

SPECIAL SERVICES

Shawnee Mission High schools provide individual programming for students eligible to receive special education services. The district offers a continuum of service options ranging from collaboration in the general education classroom to direct services provided in special education classrooms. Individualized services and programming are provided as determined by a student's Individualized Education Program (IEP) Team. Placement in these programs/services is by Special Education action only. For information regarding special education services, contact your high school administrator or the Special Services Office at 913-993-8600. For additional information please see the district website at <http://specialed.smsd.org/Pages/default.aspx>.

HEALTH INFORMATION

The Shawnee Mission School District complies with Kansas health law which is as follows: A student entering a Kansas school for the first time must present a printed copy of their immunizations from a doctor's office, health department, or school previously attended. The document must show that the student has received all immunizations required by Kansas law appropriate for the student's age. Per Kansas law, the student must have received a minimum of one inoculation of each required immunization in order to attend school. If this minimum school entry requirement is met, and even though the student's immunization record is incomplete, a student is allowed to attend school as long as he/she is receiving the required immunizations on the prescribed time schedule. If the student does not comply, the student would be excluded from school each time he/she failed to receive the follow-up immunizations as scheduled by the physician or health department. Transfer students must show immunization records or a statement from the school previously attended which shows compliance with state requirements. Under regulations prescribed by law, families may use alternative procedures to meet immunization requirements. Information about alternative procedures can be obtained from the school nurse.

The parent or guardian must complete the Health History form for a student entering a Shawnee Mission school for the first time and each year at enrollment.

Additional information about the district health guidelines includes:

1. By law, students who fail to complete the appropriate requirements may be excluded from attending school.
2. Students who become ill at school should report to the school nurse; and upon notification of parents, if leaving school, sign out in the office.
3. By district policy, all medications must be dispensed from the nurse's office during the school day. A physician's order must accompany all prescription medications. Prescription medication must be in the original, pharmaceutically-labeled container. Non-prescription medication must be accompanied by a note from the parent/guardian giving instructions regarding dosage times, how long the medication should be administered at school, and if there are any side effects of which the nurse should be aware. Non-prescription medications must be in the original labeled package. Medication permission forms are available from the school nurse or on the district health services web page. Students may not carry prescriptions or non-prescription medications with them at school with the exception of life saving medications. However, these medications may be carried only with written permission from parents or guardian and physician and with collaboration with the school nurse.

POLICY AND PROCEDURES FOR TRANSFER

It is the policy of this school district that a student shall be required to attend the school designated for the attendance area in which the student resides. However, under exceptional circumstances, a student may be permitted to transfer to a school outside of the student's attendance area. Transfer applications are accepted during the transfer window, March 1- April 30, for the following school year. For more information on the policy regarding intra-district choice/open enrollment, see your school principal. The policy is also found on the district's website at www.smsd.org (see policy JBC and/or JBCB).

SHAWNEE MISSION

ADDITIONAL INFORMATION

LIBRARY

Students have the use of a library in each high school. The libraries are open before, during, and after school. Librarians teach research strategies in the library during scheduled classes. Students have access to the collection in their school library and have interlibrary loan privileges for items in our Shawnee Mission school library collections. On-line databases of periodicals are available for student use both in school and at home from the district web page.

SUMMER SCHOOL

For questions about summer school programming and course offerings please refer to the Shawnee Mission School District website or the following link:

<https://www.smsd.org/academics/summer-programs>.

HORIZONS

The district provides a high school alternative education program for those students who are struggling or have not been successful in the traditional high school setting. SMSD students wishing to attend Horizons High School must initiate their request at their current comprehensive high school through their counselor or social worker. Horizons has the unique ability to offer daycare for infants and toddlers of current SMSD students on a space-available basis. Students on suspension or expulsion are not eligible to enroll and attend Horizons High School until those periods of suspension have been completed.

COURSE ADDITIONS AND WITHDRAWAL

No courses may be added after the first day of the semester. Schedule change deadlines will be established by each building's administration. If withdrawal is completed by the end of the first 15 days of a semester, no record will appear on the transcript. If withdrawal occurs after the first 15 days of the semester, the record will show the course and a notation of withdrawal will be made.

WP - withdrawn, passing grade. No credit

WF - withdrawn, failing grade. No credit

Students may not withdraw from a course during the last three weeks of a semester.

NUMBERS FOR GENERAL COURSES

Courses designated as General are used to facilitate enrollment for students transferring into the Shawnee Mission School District with courses for which there are no district equivalents.

Business, General	TR6274
Computer, General	TR2246
Computer Applications	TR6136
ELL, General	TR1791
Family & Consumer Sciences, General	TR6535
Fine Arts, Art	TR7740
Fine Arts, Music	TR7325
Health, General	TR9220
Industrial Technology, General	TR6925
English Language Arts, ELA 1 (English 9)	TR1082
English Language Arts, ELA 2 (English 10)	TR1140
English Language Arts, ELA 3 (English 11)	TR1150
English Language Arts, ELA 4 (English 12)	TR1160
English Language Arts, General	TR1785
Mathematics, General	TR2255
Physical Education, General	TR8032
Religion, General (non-credit)	TR3405
Science, Biology	TR4130
Science, Chemistry	TR4170
Science, Physical	TR4128
Science, General	TR4340
Social Studies, American Government	TR3190
Social Studies, US History	TR3160
Social Studies, World Geography	TR3396
Social Studies, General	TR3400
Technical Education, General	TR6983
World Language, General	TR5250

eSCHOOL

For information regarding course costs associated with eSchool, please contact (913 993-9740) or refer to eSchool webpage:

<http://summerschool.smsd>.

INTERNATIONAL BACCALAUREATE

(East, North, and Northwest)

The current fee for course testing is \$119.00 (2019-2020). Fees are subject to change based upon the fee structure established by the International Baccalaureate Organization. The candidate subject fee is paid for each assessed subject taken by an individual student. There is no fee for the reflective project. An additional late fee will be incurred for a DP subject registration, reflective project registration or amendment to a subject, level or language after the first registration deadline. The late fee increases again after the second deadline.

SHAWNEE MISSION

COURSE COSTS

ADVANCED PLACEMENT EXAMINATIONS: Course cost for the advanced placement examination is determined annually by the College Board.

ART

7610	Art, Independent Study	Cost will vary depending on student's emphasis.
7603	Art Portfolio Preparation	Course cost is \$30.00.*
7670	Ceramics	Course cost is \$30.00.*
7698	Digital Photo - Art	Course cost is \$30.00.*
7645	Drawing	Course cost is \$30.00.*
7649	Drawing 2	Course cost is \$30.00.*
7627	Graphic Design - Art	Course cost is \$30.00.*
7536	Introduction to Studio Art	Course cost is \$30.00.*
7683	Jewelry/Sculpture Studio	Course cost is \$30.00.*
7650	Painting	Course cost is \$30.00.*
7696	Photography 1	Course cost is \$30.00.*
7632, 7633, 7635	Studio Art AP	Cost varies according to student's media concentration.

*Additional fees may be assessed based on the materials/media chosen by the student.

BUSINESS

6944	Marketing Applications	Course cost is \$30.00.*
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ENGLISH LANGUAGE ARTS

1064	Competitive Speech and Drama, Beginning	Course cost is \$25.00.**
1065	Competitive Speech and Drama, Advanced	Course cost is \$25.00.**
1424	Debate, Novice - Fall	Course cost is \$25.00.**
1434	Debate, Advanced Honors - Fall	Course cost is \$25.00.**
1441	Photo Digital Productions	Course cost is \$25.00.**
1450	Introduction to Theater	Students participating in drama may be required to buy additional props or uniforms to supplement those provided by the district.

**Additional charges for travel / overnight expenses may be required for all Competitive Speech/Drama and Debate courses.

1521	Video Production 1	Course cost is \$25.00.
1522	Video Production 2	Course cost is \$25.00.
1523	Advanced Video Production	Course cost is \$25.00.

FAMILY AND CONSUMER SCIENCES

6390	Apparel Production 1	Course cost determined by projects chosen by student
6391	Apparel Production 2	Course cost determined by projects chosen by student
6408	**Commercial Baking 1	Course cost is \$50.00 for consumables.
6409	**Commercial Baking 2	Course cost is \$50.00 for consumables.
6406	**Culinary Arts 1	Course cost is \$50.00 for consumables.
6407	**Culinary Arts 2	Course cost is \$50.00 for consumables.
6383	Fashion, Apparel and Interior Design Essentials	Course cost is \$10.00.
6313	Fashion, Apparel and Interior Design Studio	Course cost is \$20.00.
6330	Focus on Foods	Course cost is \$20.00.
6321	Foods, Advanced	Course cost is \$20.00.
6402	Foods, International	Course cost is \$20.00.
6312	Interior Design	Course cost is \$10.00.
6411	Nutrition and Wellness	Course cost is \$20.00.

**Students must wear appropriate professional attire and may be required to purchase pants and shoes to meet the program requirements.

SHAWNEE MISSION

COURSE COSTS

CONSTRUCTION AND DESIGN, MANUFACTURING, MOBILE EQUIPMENT MAINTANENCE (FORMERLY INDUSTRIAL TECHNOLOGY)

6601	Automotive Essentials	Students provide transportation to school site.
6602	Automotive Technology 1	Course cost determined by projects chosen by student. Students provide transportation to school site.
6603	Automotive Technology 2	Course cost determined by projects chosen by student. Students provide transportation to school site.
6604	Automotive Technology 3	Course cost determined by projects chosen by student. Students provide transportation to school site.
6703	Computer-Aided Manufacturing	Course cost determined by projects chosen by student.
6759	Design 1, Computer-Aided Architectural	Course cost determined by projects chosen by student.
6761	Design 2, Computer-Aided Architectural	Course cost determined by projects chosen by student.
6757	Design, Computer-Aided Industrial	Course cost determined by projects chosen by student.
6755	Design, Introduction to Computer-Aided	Course cost determined by projects chosen by student.
6927 (SMW)	Metal Production	Course cost is \$25.00.* Students provide transportation to school site.
6896 (SMW)	Welding, Introduction to	Course cost is \$15.00.* Students provide transportation to school site.
6897 (SMW)	Welding 1	Course cost is \$50.00.* Students provide transportation to school site.
6898 (SMW)	Welding 2	Course cost is \$50.00.* Students provide transportation to school site.
6895	Wood Design and Fabrication	Course cost determined by projects chosen by student.
6908	Wood Design 1	Course cost determined by projects chosen by student.
6905	Wood Design 2	Course cost determined by projects chosen by student.

*Additional cost may be incurred based on the complexity of the student's project.

MATHEMATICS

Scientific calculators for home use. Graphing calculators for home use.

MUSIC

Students enrolled in some instrumental classes may be required to purchase a methods book. For specific costs contact the music director at your school. Members of top select groups may be required to purchase their own school-approved performance uniforms.

SCIENCE

4130	Biology 1	Course cost will not exceed \$3.00.
4131	Biology 1 (H)	Course cost will not exceed \$3.00.
4151	Biology 2 AP	Course cost will not exceed \$3.00.
4133	Biotechnology 1	Course cost is \$30.00.
4143	Recombinant DNA and Protein Diagnostics (H)	Course cost is \$30.00.
4145	Biotech in Agriculture and Pharmaceuticals(H)	Course cost is \$30.00.
4147	Biotech Research and Professional and Learning Experience (H)	Course cost is \$30.00.
4170	Chemistry 1	Course cost will not exceed \$3.00.
4169	Chemistry 1 (H)	Course cost will not exceed \$3.00.
4183	Chemistry 2 (H) /AP	Course cost will not exceed \$3.00.
4252	Environmental Education 1	Course cost will not exceed \$3.00.
4243,4245,4247, 4249	Forensics 1,2, 3, 4	Course cost will not exceed \$3.00.
4410	Human Anatomy & Physiology	Course cost is \$15.00.
4128	Physical Science	Course cost will not exceed \$3.00.
4152	IB Biology HL 1 (H)	Course cost will not exceed \$3.00.
4153	IB Biology HL 2 (H) 1	Course cost will not exceed \$3.00.
4172	IB Chemistry SL 1 (H)	Course cost will not exceed \$3.00.

SHAWNEE MISSION

COURSE COSTS

SCIENCE (continued)

4173	IB Chemistry SL 2 (H)	Course cost will not exceed \$3.00.
4411	Zoology	Course cost is \$10.00.

TEACHER EDUCATION

6515	*Teacher Education 1	Students provide transportation to school field site.
6516	*Teacher Education 2	Students provide transportation to school field site.
6517	*Teacher Internship	Students provide transportation to school field site.

*A health certificate and TB test administered no more than one year prior to the first day of school are required.

SPECIALIZED PROGRAMS

9940	Career Experience	Students provide transportation to work site.
9320	College Campus Study	Students provide transportation.
9938	Community Service	Students provide transportation to and from the community service site.
0882	Mentor Program	Students provide transportation to mentor site.
9065	NJROTC/NNDCC	District transportation not provided for special activities.

BIOTECHNOLOGY

4133	Biotechnology 1	Course cost is \$30.00.
4143	Recombinant DNA and Protein Diagnostics (H)	Course cost is \$30.00.
4145	Biotech in Agriculture and Pharmaceuticals (H)	Course cost is \$30.00.
4147	Biotech Research and Professional and Learning Experience (H)	Course cost is \$30.00.

CULINARY ARTS AND HOSPITALITY

6408	**Commercial Baking 1	Course cost is \$50.00 for consumables.
6409	**Commercial Baking 2	Course cost is \$50.00 for consumables.
6406	**Culinary Arts 1	Course cost is \$50.00 for consumables.
6407	**Culinary Arts 2	Course cost is \$50.00 for consumables.

**Students must wear appropriate professional attire and may be required to purchase pants and shoes to meet the program requirements.

MEDICAL HEALTH

4138	*Medical Health Science 2	Course cost is \$20.00.
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*Certificate of health, Hepatitis B series, and TB test, administered no more than one year prior to the first day of class, are required.

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ART / VISUAL ART

It is recommended that students initially take introduction to Studio Art followed by Drawing. These courses set the foundation for all other art courses.

Credit for art courses may be applied toward the minimum fine arts graduation requirement.

Note: Introduction to Studio Art, Drawing and Photography 1 may only be taken one time. All other art courses may be taken twice for a maximum of one credit each. Art Independent Study can be taken for up to 2.5 units of credit.

SMSD Career Pathways	
<i>Pathway: Visual Arts</i>	<i>Strand: Graphic Design Pathway</i>
Intro Level	Microsoft Business Applications (0.5)
Technical Level	Intro to Drawing (0.5)
	Graphic Design - Art (0.5)
	Digital Photo - Art (0.5)
	Digital Design (0.5)
	Digital Design Studio (1.0)
	Drawing 2 (0.5)
Application Level	Graphic Design Project Management 1.0)
	Editorial Leadership (1.0)

ART HISTORY	Enrollment Based	
ES7615	1/2 unit	9,10,11,12

Prerequisite – None

Introducing art within historical, social, geographical, political, and religious context for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions.*This course does not meet NCAA eligibility requirements.

CERAMICS	Enrollment Based	
7670	1/2 unit	9, 10, 11, 12

Prerequisite – Introduction to Studio Art

Students will be introduced to basic methods of working with clay as an art form, as well as the history and design of ceramic art. The course includes fundamentals of three-dimensional form, design elements, hand-built and wheel-thrown pottery, glazing and firing procedures. Course cost is \$ 30.00. Additional fees may be assessed based on the materials/media chosen by the student.

ART, INDEPENDENT STUDY	Enrollment Based	
7610	1/2 unit	11,12

Prerequisite – Introduction to Studio Art and teacher recommendation

Independent Study is designed for students who wish to do advanced work in a specific media elective. It can be taken for up to 2.5 units of credit. Students must complete a prescribed program that has been designed in cooperation with the teacher. This course is repeatable. Cost will vary depending on student's emphasis.

DIGITAL PHOTO - ART	Enrollment Based	
7698	1/2 unit	9, 10, 11, 12

Prerequisite – Photography 1

Students will explore the technical skills needed to produce quality digital images. Digital photography topics include use of equipment, software, photo editing, and manipulation. Studio projects are more student directed and open-ended regarding approach and subject matter. Continued exploration of the history of photography, processes/techniques, and constructive dialogue will be incorporated. Course cost is \$30.00. Additional fees may be assessed based on the materials/media chosen by the student.

ART PORTFOLIO PREPARATION	Enrollment Based	
7603	1/2 unit	11,12

Prerequisite – Introduction to Studio Art and teacher recommendation

Art Portfolio Preparation is open to seniors and second semester juniors who are interested in furthering their art experiences after high school. Emphasis of the course includes portfolio development, preparation for college, scholarship competitions, exhibit presentation, and art appreciation. Course cost is \$30.00. Additional fees may be assessed based on the materials/media chosen by the student.

ART / VISUAL ART

DRAWING 1		Enrollment Based
7645	1/2 unit	9,10,11,12

Prerequisite – Introduction to Studio Art

Students will explore both traditional and non-traditional drawing techniques and materials in a studio setting. This course includes observational experiences in drawing subject matter taken from nature, the figure, man-made objects, and also incorporates print-making processes. This course is recommended to be taken early in the art student's enrollment because of the importance rendering skills play in project development in all other art courses. Course cost is \$30.00. Additional fees may be assessed based on the materials/media chosen by the student.

DRAWING 2		Enrollment Based
7649	1/2 unit	10,11,12

Prerequisite – Drawing

This course is designed for those who have completed Drawing and have a desire to do advanced work in drawing. Observational drawing, illustration techniques, and visual problem solving will be emphasized. Students integrate art criticism, study of contemporary art history and technology. Course cost is \$30.00. Additional fees may be assessed based on the materials/media chosen by the student.

GRAPHIC DESIGN - ART		Enrollment Based
7627	1/2 unit	9,10,11,12

Prerequisite – Introduction to Studio Art

Students will use the elements of art and design to create original graphic imagery to communicate with a variety of audiences. Students will learn marketable problem solving skills preparing them to work in creative fields using a variety of graphic software programs found in the Adobe Design Suite. Imagery creation will incorporate the usage of digitizing equipment such as in-program tools, scanners, digital drawing tablets, digital cameras, and traditional art media. Course cost is \$30.00. Additional fees may be assessed based on the materials/media chosen by the student.

INTRODUCTION TO STUDIO ART		Enrollment Based
7536	1/2 unit	9,10,11,12

Prerequisite – None

Introduction to Studio Art is the prerequisite for all other art courses offered in Shawnee Mission. This drawing/design-based course functions as an introduction to the elements of art and the principles of design within the confines of a studio environment. Course cost is \$30.00. Additional fees may be assessed based on the materials/media chosen by the student.

JEWELRY/SCULPTURE STUDIO		Enrollment Based
7683	1/2 unit	9,10,11,12

Prerequisite – Introduction to Studio Art

A wide variety of materials (metal, wood, textiles, clay, plaster, stone, and found/recycled objects) may be utilized in the fabrication of three-dimensional wearable and non-wearable ornamental objects. This course will employ additive, subtractive, and experimental construction processes. Emphasis will be placed on the study of sculptural art objects, both past and present. Course cost is \$30.00. Additional fees may be assessed based on the materials/media chosen by the student.

PAINTING		Enrollment Based
7650	1/2 unit	9,10,11,12

Prerequisite – Introduction to Studio Art

Painting covers the history, development, and techniques involved in working with transparent and opaque media. Students will become proficient in media applications, knowledge of media characteristics, and presentation of finished work. Individualistic style is encouraged in interpreting subject matter including still-life, figure study, landscape, and abstraction. Course cost is \$30.00. Additional fees may be assessed based on the materials/media chosen by the student.

PHOTOGRAPHY 1		Enrollment Based
7696	1/2 unit	9,10,11,12

Prerequisite – Introduction to Studio Art or teacher recommendation

Students will explore analog (traditional) 35mm camera functions, black and white film processing and darkroom printing. This course will include an introduction to the history and science of photography, criticism, as well as the social implications of reproducible imagery. Students must have access to a 35mm camera. Course cost is \$30.00. Additional fees may be assessed based on the materials/media chosen by the student.

STUDIO ART		Enrollment Based
	1 unit	12

7635 AP – 1 unit – AP Studio Art: 2-D Design

7632 AP – 1 unit – AP Studio Art: 3-D Design

7633 AP – 1 unit – AP Studio Art: Drawing

Prerequisite – Teacher Approval

Studio Art AP enables students to earn college credit and/or advanced placement while still in high school. Students must enroll in two consecutive semesters of Studio Art AP. Portfolios are required in order to receive College Board credit. Formal, conceptual art, art issues, critical decision making about art, and increased proficiency in technical skills are all emphasized. Cost of this course varies according to the student's media concentration.

BUSINESS

SMSD Career Pathways	
<i>Pathway: Marketing</i>	<i>Strand: Marketing</i>
Intro Level	Intro to Business (0.5)
Technical Level	Marketing Principles (1.0) Business Communications (0.5)
	Entrepreneurship (0.5) Economics I (0.5)
	Accounting (1.0) Web Design (1.0)
	Business Management (0.5) Digital Design Studio (1.0)
Application Level	Marketing Applications (1.0)
	Marketing Management (1.0)
	Marketing Professional Learning Experience (1.0)

ACCOUNTING Enrollment Based
 6025 1 unit 10, 11, 12
Prerequisite – None

Accounting is the language of business and is considered a must for college business majors. Accounting is a valuable course for all students pursuing a career in business, marketing, or management. Financial transactions will be analyzed and recorded and financial statements will be produced. Accounting software will be introduced.

BUSINESS COMMUNICATIONS Enrollment Based
 6036 1/2 unit 9, 10, 11, 12
Prerequisite – None

This course will help students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating non-verbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and real-world applications.

BUSINESS - INDEPENDENT STUDY Enrollment Based
 6110 1/2 unit 9, 10, 11, 12
Prerequisite – Teacher recommendation

Research and development activities are conducted individually under the supervision and direction of the teacher.

BUSINESS LAW Enrollment Based
 6120 1/2 unit 9, 10, 11, 12
Prerequisite – None

This course is designed to expose the student to our legal system, civil and criminal law. Topics will include law as it relates to business ownership, consumer protection, and contractual agreements. Real situations and specific court cases will be studied. This course is repeatable.

BUSINESS MANAGEMENT Enrollment Based
 6031 1/2 unit 9, 10, 11, 12
Prerequisite – None

This course is designed to acquaint students with basic economic functions, small business operation and entrepreneurship. Skills reinforced in this course include the functions of management, production operations, personnel, marketing, and accounting overviews. Finance and investments and international business are also emphasized. Students will become aware of the importance of business in our economy, the value and qualities of well-trained management, and be better prepared to be successful participants in the business world.

DIGITAL DESIGN Enrollment Based
 6010 1/2 unit 9, 10, 11, 12
Prerequisite – None

Digital Design provides students the foundations of computer design using Photoshop and other graphics software. Students will capture images and learn to manipulate them to create dynamic designs. Project-based curriculum will apply design elements and principles. Credit may be applied toward the minimum fine arts graduation requirement. Course may qualify for JCCC advanced standing credit.

DIGITAL DESIGN STUDIO Enrollment Based
 6011 1 unit 10, 11, 12
Prerequisite – None

Students combine creativity and technical skills using Photoshop, Illustrator, InDesign, and Acrobat Professional. Students learn the skills necessary to communicate information and ideas effectively to multiple audiences using a variety of media and formats. Students culminate the year with an e-portfolio of projects which reflect the skills and knowledge learned. Credit may be applied toward the minimum fine arts graduation requirement. Course may qualify for JCCC advanced standing credit.

BUSINESS

SMSD Career Pathways

Pathway: Business Management/Entrepreneurship

Intro Level	Intro to Business (0.5)
Technical Level	Entrepreneurship (0.5)
	Business Management (0.5)
	Business Communications (0.5)
	Business Law (0.5)
	Economics I (0.5)
	Accounting (1.0)
	Marketing Principles (1.0)
Application Level	Applied Business Development (1.0)

DIGITAL DESIGN PROJECT MANAGEMENT

Enrollment Based

6012 1 unit 11,12

Prerequisite – Digital Design Studio or Teacher Approval

The Digital Design Project Management course provides students opportunities to further develop and apply skills using advanced techniques for digital projects. Students work individually and in teams to produce authentic client projects. The focus is on effective graphic design and project management to solve specific digital communication challenges. Course may be repeated for credit. Course may qualify for JCCC advanced standing credit.

ENTREPRENEURSHIP

Enrollment Based

6947 1/2 unit 10,11,12

Prerequisite – None

Effective business planning is the cornerstone of success. This course teaches entrepreneurs to state their business passion in practical terms with methods for analyzing their market and competition, setting achievable goals, and focusing on a strategic business plan. Students will identify a business they would like to own and operate, and create a plan to start it. Local entrepreneurs will share successes.

FINANCIAL LITERACY

Enrollment Based

6387 1/2 unit 10,11,12

Prerequisite – None

This course is a comprehensive study of personal financial literacy designed for all students, and is aligned to the national standards for personal financial literacy. Students learn how to make informed financial decisions related to budgeting, banking, credit, insurance, taxes and career exploration. An integral component of the financial literacy curriculum is the application of decision-making skills that enable students to become more responsible consumers for lifetime success. This is a required course.

INTRODUCTION TO BUSINESS

Enrollment Based

6030 1/2 unit 9,10,11,12

Prerequisite – None

In this course, students will learn the steps toward a successful career in marketing, finance, or management. Students will gain exposure to types of business ownership, banking, credit, marketing, and technology, and will acquire 21st century skills necessary to be successful in today's workforce.

MARKETING PRINCIPLES

Enrollment Based

6943 1 unit 10,11,12

Prerequisite – Intro to Business recommended

Marketing is the process by which companies determine which products and services would be of interest to customers and which strategies should be used in sales, communications, and product development. Students will learn how to determine what makes a product popular, how to sell products or services, develop slogans, determine price, identify target audiences, and understand media exposure and the importance of endorsements. Students have the opportunity to participate in DECA activities.

MARKETING APPLICATIONS

Enrollment Based

6944 1 unit 11,12

Prerequisite – Marketing Principles / Marketing 1

This course is an advanced study of marketing management, including the topics of advanced promotion, pricing, selling, and professional development. Students will create a marketing plan and participate in a professional learning experience within the business community. Projects will be presented at the state-level DECA competition. Course cost is \$30.00.

BUSINESS

MARKETING MANAGEMENT	Enrollment Based
6945	1 unit 11, 12

Prerequisite – Marketing Principles / Marketing 1

This project-based marketing course exposes students to all facets of promotion, advertising, and visual merchandising as they relate to successful businesses. Course content includes: marketing mix, SWOT analysis, marketing plan development, traditional and non-traditional promotions, direct marketing, sales promotion, public relations, interactive media, market segmentation, viral marketing, visual merchandising, advertising, legal & ethical issues, and career exploration. Students have the opportunity to develop and present a professional advertising campaign or promotional plan for an existing business or product, and design effective visual merchandising strategies for an actual school-based enterprise.

MARKETING PROFESSIONAL LEARNING EXPERIENCE	Enrollment Based
6950	1/2 unit 12

Prerequisite – Marketing Principles / Marketing 1 or Marketing Applications

Students will gain experience and understanding of all aspects of the industry through an off-site internship or job shadow. Students will gain industry-related skills in planning, management, finance, technology, labor issues, community involvement, safety, and personal work habits. This course may be repeated for credit.

MICROSOFT BUSINESS APPLICATIONS	Enrollment Based
6136	1/2 unit 9, 10, 11, 12

Prerequisite – None

Students will learn the necessary skills needed to use the Microsoft Office software. The first quarter of each semester will focus on Word. The second quarter of each semester will focus on Excel. Those students accelerating through Word and Excel may take advantage of enrichment opportunities in PowerPoint. Through learning experiences provided within this course, students will be eligible to participate in a Microsoft Office Specialist Certification, where the testing option is provided at the end of the course's specific units of study. The cost associated with the certification is the responsibility of the student. Course may qualify for JCCC advanced standing credit.

WEB DESIGN	Enrollment Based
6084	1 unit 10, 11, 12

Prerequisite – None

This course is an introduction to the design, creation, and maintenance of web pages and websites. Students will learn about web design standards and how to create web pages using HTML, Dreamweaver, Fireworks, Photoshop, and other technologies used in digital communications. Credit may be applied toward the minimum fine arts graduation requirement. Course may qualify for JCCC advanced standing credit.

Animation and game design courses can be found in the Signature Program section under Animation and Game Design.

COMPUTER SCIENCE (INFORMATION TECHNOLOGY)

SMSD Career Pathways

Pathway: Information Technology	Strand: Programming & Software Development
Intro Level	Computer Dimensions 2 (taken in middle school) <u>or</u> Microsoft Business Applications (0.5)
Technical Level	Intro to Computer Programming (0.5)
	Computer Science Principles PLTW (1.0)
Application Level	AP Computer Science A (1.0)
	Advanced Programming Concepts (1.0)
	Cybersecurity (1.0)

INTRODUCTION TO COMPUTER PROGRAMMING

Enrollment Based

2033 1/2 unit 9,10,11,12

Prerequisite – Algebra 1 or concurrent enrollment in Algebra 1

This course provides an introduction to the use of computer programming as a problem-solving tool. The fundamentals of computer programming are the focus of the course. Students will receive an overview of current topics in computer science such as the capabilities of different programming languages and the significance of computer programming in today's society. Introduction to Computer Programming is not a prerequisite for Programming in Java, but it is recommended for students with little programming background. Credit in this course may not be applied toward minimum graduation requirements in mathematics but may be used to meet elective requirements.

ADVANCED PROGRAMMING CONCEPTS H

Enrollment Based

2097 1 unit 11,12

Prerequisite – AP Computer Science A

This course develops skills that builds upon concepts previously acquired through the AP Computer Science A course. Objectives of the course include: Data Structures (Binary Trees, Linked lists, Stacks, queues, etc.), Methods of Advanced Algorithms (sorting, searching, and filtering), Object Characteristics, and Advanced Graphics Techniques. Students will also have the opportunity to enhance their employability skills by applying Common Sector Workplace Competencies, setting the stage for possible internship opportunities in the 2nd semester of the course. To be eligible for internship opportunities, students will go through an application process.

COMPUTER SCIENCE PRINCIPLES (CSP) H

Enrollment Based

2216 H 1 unit 9,10,11,12

Prerequisite – None

Computer Science Principles (CSP) is a new PLTW course that will be offered at all five high schools. In this course, students work in teams to develop computational thinking and problem solving skills. The course covers the College Board's new CS Principles framework. The course also aims to build students' awareness of the tremendous demand for computer specialists and for professionals in all fields who have computational skills. Students create apps for mobile devices, automate tasks in a variety of languages, find patterns in data, and interpret simulations. Students also collaborate to create and present solutions that can improve people's lives. Students enrolling in the course may qualify for JCCC credit (College Now).

COMPUTER SCIENCE – INDEPENDENT STUDY

Enrollment Based

2101 1/2 unit 10,11,12

Prerequisite – Teacher recommendation

This course is a study of computer science beyond that normally offered in the regular course. Students work on individual projects with a selected teacher.

COMPUTER SCIENCE PROFESSIONAL LEARNING EXPERIENCES H

Enrollment Based

2102 1/2 unit (Variable) 11,12

Prerequisite – Successful completion of one or more CS classes and/or teacher recommendation.

This course is for students doing off-site internships at local tech companies (Garmin, Cerner, etc.). Many experiences require application and interview by the hosting business; Description - Students complete meaningful workplace job tasks that develop readiness for work, knowledge and skills that support entry or advancement in a particular career field. Performance is evaluated by work manager in addition to educator.

COMPUTER SCIENCE A AP

Enrollment Based

2096 AP 1 unit 10,11,12

Prerequisite – Computer Science Principles (CSP), Algebra 2 or concurrent enrollment in Algebra 2

This is a highly technical course in which students learn to apply a wide variety of advanced computer science principles (CSP). Students enrolled in this course may qualify for college credit at JCCC (College Now).

For advanced coursework in Information Technology, see the Cybersecurity course listing in the Engineering section, Signature Programs. The Robotics course is offered at each of the comprehensive high schools.

CONSTRUCTION AND DESIGN

SMSD Career Pathways	
Pathway: Construction & Design	Strand: Design
Intro Level	Projects in Industrial Technology (0.5 - MS)
Technical Level	Introduction to Computer-Aided Design (1.0)
	Computer-Aided Architectural Design 1 (1.0)
Application Level	Interior Design (0.5)
	Computer-Aided Architectural Design 2 (1.0)
	Computer-Aided Industrial Design (1.0)

COMPUTER-AIDED ARCHITECTURAL DESIGN 1,

Enrollment Based

6759 1 unit 10,11,12

Prerequisite – Introduction to Computer-Aided Design or Introduction to Engineering Design

Students study the planning and design of residential and light commercial buildings. Students use computer-aided design software to create plans and construct architectural details. Course cost determined by projects chosen by student. Credit may be applied toward the minimum fine arts graduation requirement.

COMPUTER-AIDED ARCHITECTURAL DESIGN 2

Enrollment Based

6761 1 unit 11,12

Prerequisite – Design 1, Computer-Aided Architectural

Students will study advanced planning, research, design, project management, and “green design” skills for residential and light commercial buildings. Students use computer-aided design software to create plans and construct architectural details. Course cost determined by projects chosen by student. Credit may be applied toward the minimum fine arts graduation requirement.

COMPUTER-AIDED INDUSTRIAL DESIGN

Enrollment Based

6757 1 unit 10,11,12

Prerequisite – Design 1, Introduction to Computer-Aided Design or Introduction to Engineering Design

Students will use advanced applications in computer-aided design to solve problems in mechanical, architectural, and civil design. Students will use advanced software to construct 3-D models and render using material textures. Course cost is determined by projects chosen by student. Course may qualify for JCCC advanced standing credit. Credit may be applied toward the minimum fine arts graduation requirement.

INTRODUCTION TO COMPUTER-AIDED DESIGN

Enrollment Based

6755 1 unit 9,10,11,12

Prerequisite – None

Drafting techniques are the foundation for most of the design generated in business and industry today, from manufacturing and architectural design to fashion design. Students will be introduced to the basic principles of mechanical and computer-aided design. Course cost determined by projects chosen by student. Credit may be applied toward the minimum fine arts graduation requirement.

Additional courses in the Construction and Design pathway can be found in the FACS section (Interior Design) and in the Signature Programs section under Engineering (Introduction to Engineering Design, Principles of Engineering and Robotics).

DIGITAL MEDIA

SMSD Career Pathways		
<i>Pathway: Digital Media</i>	Strand: Journalism	Strand: Video Production
Intro Level	Intro to Business (0.5)	Intro to Business (0.5)
	Microsoft Business Applications (0.5)	Microsoft Business Applications (0.5)
Technical Level	21st Century Journalism (0.5)	Video Production 1 (0.5)
	Photo - Digital Production (0.5)	Video Production 2 (0.5)
	Digital Design (0.5)	
	Digital Photo - Art (0.5)	
	Digital Design Studio (1.0)	
Application Level	Digital Design Project Management (1.0)	Video Production, Advanced (1.0)
	Editorial Leadership (1.0)	Video Production Leadership (1.0)
	News Media, Photo, Yearbook Digital Production(1.0)	

EDITORIAL LEADERSHIP – NEWSPAPER Enrollment Based 1496 1 unit 10,11,12

Prerequisite – Leadership position on a publication and teacher approval

Editorial leadership guides students through the day-to-day management of scholastic media outlets, emphasizing the development of skills in human relations, oral and written communication, critical thinking, advanced problem-solving development of plans for project management, and resource scheduling. Course may be repeated for credit.

EDITORIAL LEADERSHIP – YEARBOOK Enrollment Based 1497 1 unit 10,11,12

Prerequisite – Leadership position on a publication and teacher approval

Editorial leadership guides students through the day-to-day management of scholastic media outlets, emphasizing the development of skills in human relations, oral and written communication, critical thinking, advanced problem-solving, development of plans for project management, and resource scheduling. This class is designed to help student editors meet the stringent demands of leading a group toward a common goal. Course may be repeated for credit.

NEWS MEDIA – DIGITAL PRODUCTION Enrollment Based 1440 1 unit 9,10,11,12

Prerequisite – 21st Century Journalism

This class provides a hands-on experience in writing, designing, and editing student news media outlets. Students have full responsibility for production of content and solicitation of advertising. Students are expected to demonstrate teamwork, cooperation, and dependability; as such, after-school work is mandatory. This course may be repeated for credit. Credit may be applied toward the minimum fine arts graduation requirement. With teacher and administrator approval, a student who has not completed 21st Century Journalism may enroll.

PHOTO - DIGITAL PRODUCTION Enrollment Based 1441 1/2 unit 9,10,11,12

Prerequisite – Teacher recommendation

Students enrolling in this class will learn the techniques needed to provide digital photographs for a variety of media. Students will be required to shoot for the yearbook, newspaper, and website, and will be expected to attend a variety of after-school events. Students will have access to digital cameras. Course cost is \$25.00. Credit may be applied toward the minimum fine arts graduation requirement. The course may be repeated for credit.

21st CENTURY JOURNALISM Enrollment Based 1481 1/2 unit 9,10,11,12

Prerequisite – None

Students are introduced to the role of the media in our society. Students will learn basic reporting and journalistic techniques as they interview, research, and create news and feature articles for a variety of media. Students will also study editorial writing, basic principles of layout, headline writing, and advertising design, as well as journalistic applications of online and social media.

VIDEO PRODUCTION 1 Enrollment Based 1521 1/2 unit 9,10,11,12

Prerequisite – None

This course provides a basic understanding of producing video for a variety of uses in a hands-on, project-based environment. Topics include analyzing the pre-production, production and post-production process, as well as explore the equipment and techniques used to develop a quality video production. Students may have the opportunity to explore a broadcast studio space. Course cost is \$25.00.

DIGITAL MEDIA

VIDEO PRODUCTION 2		Enrollment Based
1522	1/2 unit	10,11,12

Prerequisite – Video Production 1 and teacher approval

Video Production 2 teaches the technical skills needed to work with electronic media. Topics include exploring the use of digital media and video today and in the future, a study of the relationship of work flow to project planning and completion and the software, equipment and tools used in the industry. Credit may be applied toward the minimum fine arts graduation requirement. Course cost is \$25.00. Course may be repeated for credit.

VIDEO PRODUCTION, ADVANCED		Enrollment Based
1523	1 unit	11,12

Prerequisite – Advanced Video Production or Video Production 2; Teacher Approval

This course applies the technical skills learned in Video Production 1 and 2 to produce a variety of authentic content that includes the full production process. Course may be repeated for credit. Credit may be applied toward the minimum fine arts graduation requirement. Course cost is \$25.00.

VIDEO PRODUCTION LEADERSHIP		Enrollment Based
1524	1 unit	11,12

Prerequisite – Advanced Video Production and teacher approval

Video Production Leadership guides students through the day-to-day management of scholastic media outlets, emphasizing the development of skills in human relations, oral and written communication, critical thinking, advanced problem-solving, development of plans for project management, and resource scheduling. This class is designed to help student producers meet the stringent demands of leading a group toward a common goal.

YEARBOOK – DIGITAL PRODUCTION		Enrollment Based
1442	1 unit	9,10,11,12

Prerequisite – Teacher recommendation

This class provides “hands-on” experience in writing, designing, and editing student media outlets. Students have full responsibility for creating a digital media project for public presentation and will also solicit advertising to help offset the cost of production. After-school work is mandatory. This course may be repeated for credit. Credit may be applied toward the minimum fine arts graduation requirement.

Additional courses in the Digital Media Pathways can be found in Art (Digital Photo-Art), **and in Business** (Digital Design, Digital Design Studio, Digital Design Project Management, Intro to Business, and Microsoft Business Applications)..

ENGLISH LANGUAGE ARTS (ELA)

ACTOR'S STUDIO

1610 1/2 unit Enrollment Based 10,11,12

Prerequisite – Introduction to Theater

Students must take Introduction to Theater before they may enroll in actor's studio. This course is one-half unit and lasts one semester. Students concentrate on acting and improving their communication skills. Students perform improvisation and theatre games, act with a partner, develop auditioning skills, write scenes/monologues, and improve voice and diction. Course may be repeated with approval of instructor for a maximum of one unit of credit. Additional repetitions will be considered independent study. Credit may be applied toward the minimum fine arts graduation requirement.

COMPETITIVE SPEECH AND DRAMA, BEGINNING

1064 1/2 unit Enrollment Based 9,10,11,12

Prerequisite – None

Students prepare for speech performances which may include the following: oral interpretation of prose and poetry, dramatic and humorous interpretation, duo interpretation, duet acting, improvised duet acting, original oratory, informative, impromptu and extemporaneous speaking (foreign and domestic), Student Congress, Lincoln-Douglas Debate, and Public Forum Debate. Students will be encouraged to participate in contests. Course cost is \$25.00. Credit may be applied toward the minimum fine arts graduation requirement.

COMPETITIVE SPEECH AND DRAMA, ADVANCED

1065 1/2 unit Enrollment Based 9,10,11,12

Prerequisite – Competitive Speech and Drama, Beginning

Students refine performance and speaking skills by preparing and rehearsing the following: oral interpretation of prose and poetry, dramatic and humorous interpretation, duo interpretation, duet acting, improvised duet acting, original oratory, informative, impromptu, and extemporaneous speaking, Student Congress, Lincoln-Douglas debate, and Public Forum debate. Students will be required to participate in more competitive speech contests than students in the standard advanced course, will have additional peer and self-critique assignments, and must prepare and/or compete in events in all three categories (interpretation/drama, public speaking, and debate). Course cost is \$25.00. Credit may be applied toward the minimum fine arts graduation requirement. The course may be repeated for credit.

CONTEMPORARY COMMUNICATIONS (CAA) (CTC)

1640 1/2 unit Enrollment Based 11,12

Prerequisite – ELA 2

Contemporary Communications provides students with a blended learning environment by which they explore fundamentals of effective communication in the 21st century while enrolled in Shawnee Mission Signature Program courses at the Center for Academic Achievement. Students develop and apply skills in personal communication including critical thinking, speaking, listening, and written communications linked to the Signature Programs of study of their interest. Students will participate in ongoing activities aligned to Kansas English Language Arts standards while enhancing content linked directly

to the respective Signature Programs. A significant portion of the course is conducted via on-line assignments and communication. **This blended format requires students to be attentive to assignment deadlines and electronic communications from the instructor.** This course is repeatable for credit. ***This course does not meet NCAA eligibility requirements.**

DEBATE, NOVICE

1424 1/2 unit/Fall Enrollment Based 9,10,11,12

Prerequisite – None

Skills in the areas of speaking, thinking, organization, research, and writing are emphasized in this course. Students learn to support two or more sides of a controversial question. Beginning students are encouraged to develop leadership, teamwork, cooperation, and dependability in tournament preparation and squad relations. Students have numerous opportunities to use their new skills and are encouraged to participate in debate contests. Minimal after-school work is expected. This course is repeatable for credit. Course cost is \$25.00.

DEBATE, ADVANCED (H)

1434 1/2 unit/Fall Enrollment Based 9,10,11,12

Prerequisite – Debate, Beginning and teacher recommendation

Through the study of argumentation theory, students will develop and refine debate skills of speaking, thinking, organization, research, and writing. Advanced students are expected to demonstrate leadership, teamwork, cooperation, and dependability in tournament preparation and squad relations. All students are required to work after school on a weekly basis and participate in debate contests. Course cost is \$25.00. This course may be repeated for credit.

ENGLISH LANGUAGE ARTS

ELA 1,2,3,4 1 unit 9,10,11,12

All English courses address the same general goals. Students will:

- Read a variety of texts for understanding, information, and personal enjoyment.
- Write effectively for different audiences, purposes, and occasions.
- Employ language to communicate effectively.
- Speak effectively for a variety of audiences, purposes, and occasions.
- Apply skills to become independent learners.

Students may not enroll concurrently in English 9-12 courses. Exceptions to this policy are subject to the building review process; final approval must be granted by the building principal.

Descriptions:

+ These are the standard courses in which the vast majority of students will enroll.

++ Prerequisite – These courses are for students who have advanced reading and writing skills and who have the desire for a more rigorous curricula.

ENGLISH LANGUAGE ARTS (ELA)

ELA 1		Enrollment Based
1082	1 unit	9

Prerequisite – None

Students read closely and think critically about a variety of literary genres, including fiction and informational texts. Students will write for a variety of purposes, applying effective language skills and participate in small group and whole group discussions.

ELA 1 (H)		Enrollment Based
1088	1 unit	9

Prerequisite – None

Students read closely and think critically with a greater depth about a variety of literary genres, including fiction and informational texts. Students will write with increasing sophistication for a variety of purposes, applying effective language skills and actively participate in small group and whole group critical discussions.

ELA 2		Enrollment Based
1140	1 unit	10

Prerequisite – ELA 1

Students read closely and think critically through diverse reading experiences, including fiction and informational texts. Students will write analytically for a variety of purposes, applying effective language skills and participate in small group and whole group critical discussions.

ELA 2 (H)		Enrollment Based
1144	1 unit	10

Prerequisite – ELA 1

Students read closely and think critically with a greater depth through diverse reading experiences, including complex fiction and informational texts. Students will write analytically for a variety of purposes, applying effective and higher level language skills and actively participate in small group and whole group critical discussions.

ELA 3		Enrollment Based
1150	1 unit	11

Prerequisite – ELA 2

Students read closely and think critically about diverse themes in American history, using a variety of fiction and informational texts. Students will write analytically through a range of formal and informal writing, actively participate in oral discussions, apply appropriate language skills in writing and speaking, and develop research skills using teacher-directed and student-generated topics.

AP ENGLISH LANGUAGE AND COMPOSITION		Enrollment Based
1153 AP	1 unit	11

1155 IB (SME/SMN/SMNW)	1 unit	11
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Prerequisite – ELA 2

The AP English Language and Composition course aligns to an introductory

college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. This course is also listed in International Baccalaureate.

ELA 4		Enrollment Based
1160	1 unit	12

Prerequisite – ELA 3

Students read closely and think critically about diverse and relevant themes, using a variety of fiction and informational texts. Students will write analytically through a range of appropriate language skills in writing and speaking and refined research skills using teacher-directed and student-generated topics.

AP ENGLISH LITERATURE AND COMPOSITION		Enrollment Based
1630 AP	1 unit	12

1633 IB (SME/SMN/SMNW)	1 unit	12
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Prerequisite – ELA 3

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. This course is also listed in International Baccalaureate.

COMMUNICATION SKILLS 1		Enrollment Based
1060	1/2 unit	9, 10, 11, 12

Prerequisite – None

Students explore the basics of presentation skills and speaking in front of various audiences. They will participate in several communication activities to prepare them for future courses and careers. These activities will include informative speeches using multimedia and visual aids, persuasive speeches citing research over a topic of their choice, oral interpretation of literature, impromptu speaking, career study presentations, job interview practices, debates over socially relevant topics, discussion of current events and issues, and analysis of public speeches

COMMUNICATION SKILLS 2		Enrollment Based
1070	1/2 unit	9, 10, 11, 12

Prerequisite – Communication Skills 1

This community-related course is designed to enhance the student's interpersonal and public speaking skills in order to prepare for communication skills required in today's marketplace. There are no required speech contests.

ENGLISH LANGUAGE ARTS (ELA)

INTRODUCTION TO THEATER

Enrollment Based

1450 1 unit

9,10,11,12

Prerequisite – None

Introduction to Theater is a year-long elective which earns a full credit. The class is a mixed-grade level class with students from ninth to twelfth grade enrolled together. Students learn about theater, past and present; theater, onstage and backstage; and learn to understand and appreciate the theater process. Students participate in a variety of activities including improvisations, theater games, acting alone and with a partner, playwriting, casting, and directing. Students participating in drama may be required to buy additional props or uniforms to supplement those provided by the district. Credit may be applied toward the minimum fine arts graduation requirement.

LANGUAGE ARTS INDEPENDENT STUDY

Enrollment Based

1670 1 unit

9,10,11,12

Prerequisite – Teacher recommendation

Students who have particular projects they wish to pursue may enroll. When a student is accepted for independent study by the department, a teacher is assigned to supervise the project. Parental permission is required for students enrolling in the course. This course is repeatable.

MOCK TRIAL

Enrollment Based

1220 1/2 unit

9,10,11,12

Prerequisite – None

Students prepare to represent clients in both civil and criminal trials. Students prepare for trial by learning to write opening statements, closing arguments, and direct and cross-examinations. As student-attorneys, students learn the rules of evidence, courtroom procedures, and decorum. As part of a litigation mock trial team, student attorneys try their cases against other mock trial teams in real courtrooms with practicing attorneys serving as judges. Students study areas of the law such as negligence, tort liability, wrongful death, murder, assault and battery, and libel. This course may be repeated for credit.

READING EXPEDITIONS

Enrollment Based

1532 1/2 unit

10,11,12

Prerequisite – None

This course is designed for students needing to improve reading skills in order to meet the demands of academic reading and to meet the state and district standards. Class instruction includes whole-class and small-group instruction, independent practice, and web-based activities to build vocabulary and comprehension skills and to improve reading fluency.

REPERTORY THEATRE

Enrollment Based

1550 1 Unit

11,12

Prerequisite - Introduction to Theater, Actor's Studio, Technical Theatre, and/or teacher recommendation

This course is for juniors and seniors only. The troupe stages productions and workshops. Students produce, direct, adapt, write, teach, perform, and manage all facets of class productions. The prerequisites for this course

may be taken concurrently or waived with teacher permission. Some after-school work is expected. Course may be repeated for credit. Credit may be applied toward the minimum fine arts graduation requirement.

REPERTORY THEATRE, ADVANCED

Enrollment Based

1555 1 Unit

12

Prerequisite – Repertory Theater or teacher recommendation

This is a select, all-senior performing group. Interested drama students apply their junior year. This group tours and performs student-directed and student-written plays and sketches, and also stages major productions. Credit may be applied toward the minimum fine arts graduation requirement.

TECHNICAL THEATRE

Enrollment Based

1582 1/2 unit

10,11,12

Prerequisite – Introduction to Theater or teacher recommendation

In this one-semester class, students work independently on selected projects in the technical (backstage) areas of theatre. These are construction, makeup, costumes, sound, lights, publicity, design work, programs, videotaping, house management, etc. A wide range of projects allow students to work creatively. Teamwork, cooperation, and dependability are stressed, and each student is expected to meet deadlines. Some after-school work is expected. Course may be repeated with permission of teacher. Credit may be applied toward the minimum fine arts graduation requirement.

TECHNICAL WRITING AND APPLIED COMMUNICATIONS

Enrollment Based

1635 1 unit

12

Prerequisite – English 9, 10, 11

Technical writing and applied communications is a course for career-oriented students who plan to attend a two or four year college. Because the course is designed to introduce students to writing required in the work environment, students will complete assignments in both classroom and community settings. Students will learn reading, listening, and speaking skills; explore group dynamics, interviewing, and problem-solving strategies; and write various types of technical correspondence demonstrating accuracy in grammar.

UNITED STATES LATINO LITERATURE (SMN)

Enrollment Based

1157 1/2 unit

10,11,12

Prerequisite – ELL 3 or English 9

This course will place the genre of Latino literature in the forefront of study. Often the same stories and themes are anthologized in adopted textbooks, but this class will delve deep into the various voices of Latino authors who have contributed to the complex disposition of the Latino experience in the United States. Study will span from historical accounts of the first Spanish explorers to contemporary Nuyorican spoken word poets. Analyzing author's purpose, common (and uncommon) themes, and cultural influences this literature has on greater society will allow the student to cultivate a critical eye of what is deemed "classic American literature". A knowledge of Spanish is beneficial, yet not required. This course is only offered at SM North.

ENGLISH LANGUAGE ARTS (ELA)

WRITER'S WORKSHOP		Enrollment Based
1410	1/2 unit	9,10,11,12

Prerequisite – None

Students examine models and construct original poems, short stories, essays, dramas, and other creative modes of writing. Students experiment with a variety of genres and produce at least one piece for class publication. During class time, there is a free exchange of ideas concerning the students' work. Course may be repeated for credit.

INDIVIDUAL GOALS - ELA		Enrollment Based
0318	1 unit	9
0328	1 unit	10
0329	1 unit	11
0330	1 unit	12

Prerequisite – IEP team recommendation

Enrollment in the course is determined by the Individual Education Program team. The course will be based on alternate curriculum. The credit in this course may be applied toward minimum the graduation requirement in English Language Arts.

ACT/SAT PREPARATION		Enrollment Based
9937	1/2 unit	10,11,12

Prerequisite – None

In this elective course, students will understand the test taking and test preparation process. Additionally, they will be exposed to various types of SAT/ACT questions, review specific content covered on the tests, and interpret and use test scores. Students are encouraged to complete the entire course the semester before they begin college admissions testing.

FAMILY AND CONSUMER SCIENCE

SMSD Career Pathways

Pathway: Interior Design		Strand: Fashion & Apparel Design	Strand: Fashion Merchandising
Intro Level	Intro to Family & Consumer Sciences (taken in middle school)		
	Career & Life Planning (0.5)		
	Fashion, Apparel & Interior Design Essentials (0.5)		
Technical Level	Interior Design (0.5)	Apparel Production 1 (0.5)	Fashion Merchandising (0.5)
	Computer-Aided Architectural Design 1 (1.0)	Apparel Production 2 (0.5)	
Application Level	Fashion, Apparel, & Interior Textile Design Studio (1.0)		

GENERAL COURSES

CAREER AND LIFE PLANNING	Enrollment Based
6427	1/2 unit 9,10

Prerequisite – None

Students will explore family, work, and community relationships. Goal-setting, decision-making, and strategies for success will be included as students investigate career options.

FAMILY AND CONSUMER SCIENCE / INDEPENDENT STUDY	Enrollment Based
6430	1/2 unit 9,10

Prerequisite – Teacher recommendation

Research and development activities are conducted individually under the supervision and direction of the teacher. Course objectives and methods of evaluation will be developed by the student and teacher assigned. Independent study is repeatable for credit.

FINANCIAL LITERACY	Enrollment Based
6387	1/2 unit 10,11,12

Prerequisite – None

This course is a comprehensive study of personal financial literacy designed for all students, and is aligned to the national standards for personal financial literacy. Students learn how to make informed financial decisions related to budgeting, banking, credit, insurance, taxes and career exploration. An integral component of the financial literacy curriculum is the application of decision-making skills that enable students to become more responsible consumers for lifetime success. *Note: This course is required for graduation for students in the graduating class of 2020 and beyond. Students will have the ability to test out of this course with an approved district assessment.*

NUTRITION AND WELLNESS	Enrollment Based
6411	1/2 unit 10,11,12

Prerequisite – None

Nutrition and Wellness is for students interested in health and wellness as a lifestyle. Students will learn about healthy foods and gain valuable information for making wise personal choices. Topics include food choices, nutrition, exercise and fitness, sustainability, and food trends. Course cost is \$20.00.

INTRODUCTORY COURSES FOR CULINARY ARTS

For advanced coursework in the culinary arts, see the Signature Program section under Culinary Arts.

FOCUS ON FOODS	Enrollment Based
6330	1/2 unit 9,10,11,12

Prerequisite – None

Students learn a variety of cooking and baking techniques through hands-on team lab experiences. While creating appetizers, entrees, and desserts, students will learn about nutrition, menu planning, and safety in this pre-culinary course. Course cost is \$20.00.

FOODS, ADVANCED	Enrollment Based
6321	1/2 unit 10,11,12

Prerequisite – Focus on Foods

Students will learn cooking techniques. Topics include nutrition, salads, vegetables, meat recipes, garnishes, cake decorating, and specialty desserts. Food presentation, etiquette, consumer skills, and entertaining will be integrated throughout the course. Students will explore careers in the food industry. Credit may be applied toward the minimum fine arts graduation requirement. Course cost is \$20.00.

FOODS, INTERNATIONAL	Enrollment Based
6402	1/2 unit 10,11,12

Prerequisite – Focus on Foods or teacher approval

Cuisines of the world are emphasized through food selections and preparations. Students learn how culture, customs, traditions, and geographical factors influence worldwide food choices, habits, and preparation. Credit may be applied toward the minimum fine arts graduation requirement. Course cost is \$20.00.

FAMILY AND CONSUMER SCIENCE

FASHION, APPAREL, INTERIOR DESIGN COURSES

APPAREL PRODUCTION 1		Enrollment Based
6390	1/2 unit	9,10,11,12

Prerequisite – Fashion, Apparel and Interior Design Essentials

This course introduces students to the apparel and textile industry in the areas of design, textiles and apparel construction. Students will be able to demonstrate foundational knowledge and skills of equipment and procedures used in fashion and apparel. Emphasis will be placed on students applying these design and engineering skills to create and produce products. Course cost is determined by projects chosen by the student.

APPAREL PRODUCTION 2		Enrollment Based
6391	1/2 unit	10,11,12

Prerequisite – Apparel Production 1

This course expands on student's learning from Apparel Production 1. Students will explore many aspects of the fashion design field through training in fashion illustration, design, pattern drafting and garment construction. Creative expression and preparation of a portfolio is emphasized throughout the program. Course cost is determined by projects chosen by the student. Credit may be applied toward the minimum fine arts graduation requirement.

FASHION, APPAREL AND INTERIOR DESIGN ESSENTIALS		Enrollment Based
6383	1/2 unit	9,10,11,12

Prerequisite – None

This course introduces students to the world of interior and fashion design, familiarizing them to the background and knowledge needed to develop a career in this field. Students will learn and apply how color, composition, and texture can effect great aesthetics. This course counts as a fine arts credit. Course cost is \$10.00.

FASHION, APPAREL AND INTERIOR DESIGN STUDIO (FAID)		Enrollment Based
6313	1 unit	11,12

Prerequisite – Apparel Production 2, Interior Design or Fashion Merchandising

This application level course provides students the opportunity to expand knowledge and experience with advanced design concepts. Topics will include the industry standards, material and processes used to apply the design elements and principles based upon designers, periods and styles. As students advance and become more adept, the instruction regarding the creative process becomes more refined and students are encouraged to develop their own design styles to meet the needs of a client. Students will receive the opportunity to shadow industry experts related to their career interests outside of school. Through these shadow-ship experiences, students will have the opportunity to observe what the day-to-day is like in their career interest area. Credit may be applied toward the minimum fine arts graduation requirement. Course cost is \$20.00.

FASHION MERCHANDISING		Enrollment Based
6310	1/2 unit	10,11,12

Prerequisite – Fashion, Apparel and Interior Design Essentials

This course centers upon the merchandising of interior and textile products in a variety of settings. Topics include exploring cycles, trends and style as well as the techniques in coordination, promotion, display and sales of interior and textile items. Basic management and entrepreneurship will be introduced as will the relationship of the skills to set and exhibit design. This course counts as a fine arts credit.

INTERIOR DESIGN		Enrollment Based
6312	1/2 unit	10,11,12

Prerequisite – Fashion, Apparel and Interior Design Essentials

An application level course designed to instruct students in the skills necessary to design interior spaces that apply design elements and principles to spaces for residential and special needs (e.g. single family homes, multi-family structures, homes for special needs, child care centers, retirement homes, etc.). Topics will include meeting client's needs, career opportunities, and current and future trends in the industry. Meets fine arts requirement. Course cost \$10.00.

TEACHING AND TRAINING COURSES

CHILD DEVELOPMENT AND HUMAN GROWTH		Enrollment Based
6491	1/2 unit	10,11,12

Prerequisite – None

Students are introduced to child development theory. Concepts covered include parenting, guidance, prenatal/postnatal care, as well as physical, emotional, social and intellectual growth, and development from infancy to adolescence. Course content will reinforce student skills in communication, resource management, and problem solving.

MANUFACTURING

SMSD Career Pathways

Pathway: Manufacturing	Strand: Metal Production	Strand: Wood Production
Intro Level	Projects in Industrial Tech (Middle school)	Projects in Industrial Tech (Middle school)
	Intro to Welding (0.5)	Wood Design 1 (1.0)
Technical Level	Intro to Computer-Aided Design (1.0)	Intro to Computer-Aided Design (1.0)
	Welding 1 (1.0)	Wood Design 2 (1.0)
	Metal Production (1.0)	
Application Level	Welding 2 (1.0)	Wood Design and Fabrication (1.0)
		Computer-Aided Manufacturing (1.0)

COMPUTER-AIDED MANUFACTURING Enrollment Based
6703 1 unit 12

Prerequisite – Wood Design and Fabrication

This advanced course builds on knowledge and skills learned in Wood Design and Fabrication. Students will incorporate Computer Numerical Control (CNC) techniques and procedures in their project design and construction. Safety practices are emphasized. Course costs determined by projects chosen by the student and approved by the instructor. Credit may be applied toward the minimum fine arts graduation requirement.

INTRODUCTION TO COMPUTER-AIDED DESIGN Enrollment Based
6755 1 unit 9, 10, 11, 12

Prerequisite – None

Drafting techniques are the foundation for most of the design generated in business and industry today, from manufacturing and architectural design to fashion design. Students will be introduced to the basic principles of mechanical and computer-aided design. Course cost determined by projects chosen by student. Credit may be applied toward the minimum fine arts graduation requirement.

METAL PRODUCTION (SMW) Enrollment Based
6927 1 unit 9, 10, 11, 12

Prerequisite – None

This course is recommended for students interested in pursuing more advanced training in the area of welding and manufacturing. Students will study metal fabrication and mass production through research, design, processes, and projects. Students will learn metal production techniques using hand and power equipment. Safety practices are emphasized. This class is taught at SM West. Students provide transportation to SM West. Course cost is \$25.00. Additional costs may be incurred depending upon student-selected projects.

WELDING, INTRODUCTION TO (SMW) Enrollment Based
6896 1/2 unit 10, 11, 12

Prerequisite – None

This is an introductory level welding course designed to instruct students in the basic principles and applications of welding in addition to safety and machine processes. The hands-on course will challenge students to apply creativity as well as technical ability. Course cost is \$15.00. Additional costs may be incurred depending upon student-selected projects. This course is offered only at SM West. Students must provide transportation to SM West.

WELDING 1 (SMW) Enrollment Based
6897 1 unit 11, 12

Prerequisite – Welding, Introduction to , Metal Production or teacher approval

In this course students will study welding processes and mass production through research, design, and welding principles and techniques. Equipment and safety practices are emphasized. This class is taught at SM West. Students provide transportation to SM West. Students provide transportation to SM West. Course cost is \$50.00. Additional costs may be incurred depending upon student-selected projects. Credit may be applied toward the minimum fine arts graduation requirements.

WELDING 2 (SMW) Enrollment Based
6898 1 unit 12

Prerequisite – Welding 1

This course provides students with an opportunity to advance their skills in all areas of welding processes. Students will learn the welding craft based on industry-standard competencies. This class is taught at SM West. Students provide transportation to SM West. Course cost is \$50.00. Additional costs may be incurred depending upon student-selected projects.

WOOD DESIGN 1 Enrollment Based
6908 1 unit 9, 10, 11, 12

Prerequisite – None

Students study wood technology processes and fabrication in a laboratory experience through the use of hand and power equipment. This course is recommended for students interested in pursuing more advanced training in the Design and Fabrication program. Course cost is determined by projects chosen by the student.

MANUFACTURING

WOOD DESIGN 2		Enrollment Based
6905	1 unit	10,11,12

Prerequisite – Wood Design 1

Students will study wood fabrication and mass production through research, design, processes, and projects. Students will apply advanced techniques throughout the course. Safety practices are emphasized. Course cost determined by projects chosen by student and approved by the instructor. Credit may be applied toward the minimum fine arts graduation requirement.

WOOD DESIGN AND FABRICATION		Enrollment Based
6895	1 unit	11,12

Prerequisite – Wood Design 2

This course will enable students to further their knowledge, concepts, and skills in woodworking and mass production. It will provide an opportunity to design, plan, and construct cabinetry and furniture. Safety practices are emphasized. Course cost is determined by the project chosen by student and approved by instructor. Credit may be applied toward the minimum fine arts graduation requirement.

MATHEMATICS

USE OF CALCULATORS: Graphing calculators are used in all mathematics courses at the level of Algebra 1 and above. Classroom sets of calculators are available for use at school, but it is advantageous for each student to have a calculator available at home for completing homework assignments. Students enrolling in Algebra 2 are encouraged to purchase a graphing calculator for use in the course as well as subsequent courses. The model being used for classroom demonstration is the TI-83/84. If the purchase of a graphing calculator is a hardship, a limited supply is available upon request through your mathematics teacher and/or building administrator.

ALGEBRA 1	Enrollment Based
2050	9,10,11,12

1 unit

Prerequisite – None

Students develop knowledge in mathematics through work with linear expressions and equations. Essential topics include interpreting quantities and rates, functions and function, rational exponents, quadratic relationships, and using regression techniques to describe relationships between data sets. Application and reasoning are emphasized.

ALGEBRA 2	Enrollment Based
2060	9,10,11,12

1 unit

Prerequisite – Geometry 2110, 2114 or teacher recommendation

Students apply and extend their understanding of functions. Essential topics include quadratics, polynomials, logarithms, trigonometry, and statistics. This course will prepare students for College Algebra/Trig.

ALGEBRA 2 H	Enrollment Based
2064	9,10,11,12

1 unit

Prerequisite – Geometry 2110 with teacher recommendation only, or Geometry 2114 H with a grade of “B” or better or teacher recommendation, or concurrent enrollment in Geometry Honors with administrator approval

Students will apply and extend their understanding of functions. Students are expected to master the topics of Algebra 2 as listed under course 2060 with more emphasis on the relationships between quadratic, polynomial, and rational functions as well as trigonometry.

ALGEBRA 3	Enrollment Based
2190	11,12

1 unit

Prerequisite – Algebra 2

This course is designed to review and extend skills and concepts from Algebra 2. Some content included in College Algebra/Trig (such as trigonometric functions and analytic geometry) is included, but at a less rigorous level. A student who has received credit in College Algebra/Trig or higher has completed the content of Algebra 3 and may not enroll in this course without prior teacher recommendation.

CALCULUS AB AP	Enrollment Based
2161 AP	11,12

1 unit

Prerequisite – College Algebra/Trig or Precalculus H

The topics in Calculus AB AP will be learned in depth with more time (two semesters) to develop the concepts. Review of functions will be included. Students enrolled in this course may be eligible for JCCC credit (College Now).

CALCULUS BC AP	Enrollment Based
2162 AP	11,12

1 unit

Prerequisite – Precalculus H

The content of the course includes both differential and integral calculus. Topics covered include: differentiation of algebraic functions, trigonometric functions, logarithmic and exponential functions, anti-differentiation, the definite integral and polar coordinates. Students enrolled in this course may qualify for college credit at JCCC (College Now).

CALCULUS 3 (H)	Enrollment Based
2202 H	12

1/2 unit

Prerequisite – Calculus BC AP

This is the third course in a three semester sequence on analytic geometry and calculus. Topics include vector-valued functions, functions of several variables, multiple integration, vector analysis, and matrices and linear algebra.

COLLEGE ALGEBRA / TRIG	Enrollment Based
2152	10,11,12

1 unit

Prerequisite – Algebra 2 (A grade of “B” or better in Algebra 2 is strongly recommended)

Students apply and extend their understanding of trigonometric, logarithmic and exponential functions. Essential topics include matrices, vectors, polar coordinates and equations, properties of trigonometric functions and conics. This course will prepare students for Calculus AB AP. This course may qualify for JCCC Quick Step Plus credit.

CONSUMER MATH AND FINANCE	Enrollment Based
2195	11,12

1 unit

Prerequisite – Geometry or teacher recommendation

Students will acquire the skills to make informed decisions about money management, earning income, savings and investments, and spending and credit.

DIFFERENTIAL EQUATIONS (H)	Enrollment Based
2203 H	12

1/2 unit

Prerequisite – Calculus 3 H with a “B” or better

This course will cover standard types of ordinary differential equations, solutions by series, Laplace transformations, numerical solutions, and applications.

MATHEMATICS

DISCRETE MATHEMATICS		Enrollment Based
2176 H	1/2 unit	10,11,12

Prerequisite – Algebra 2

Topics include graph theory, counting, recursion, matrices, and social decision-making. The applications for these concepts and their relationship to business, planning, and management will be explored. A student may take this course in conjunction with additional math courses beyond Algebra 2.

GEOMETRY		Enrollment Based
2110	1 unit	9,10,11,12

Prerequisite – Algebra 1

Students develop knowledge in mathematics through work around congruence and similarity. Essential topics include proofs of geometric theorems, constructions, introduction to trigonometry, working with circles, and conditional probability. Application and modeling are emphasized.

GEOMETRY (H)		Enrollment Based
2114 H	1 unit	9,10,11,12

Prerequisite – Algebra 1 with a “B” or better and teacher recommendation.

Topics include graph theory, counting, recursion, matrices, and social decision-making. The applications for these concepts and their relationship to business, planning, and management will be explored. A student may take this course in conjunction with additional math courses beyond Algebra 2.

INTEGRATED ALGEBRA / GEOMETRY 1		Enrollment Based
2054	1 unit	9

Prerequisite – None

Students develop knowledge in mathematics through work with linear expressions, equations, and functions. Students apply and extend their knowledge of these algebraic concepts within the geometric concepts of congruence, similarity, parallel and perpendicular lines. Application, modeling, and reasoning are emphasized.

INTEGRATED ALGEBRA / GEOMETRY 2		Enrollment Based
2056	1 unit	9,10

Prerequisite – Integrated Algebra/Geometry 1

Students continue to develop knowledge in mathematics through the study of nonlinear algebraic concepts including quadratic relationships, rational exponents, and regression techniques. Students will apply and extend their knowledge of algebra with the integrated study of geometric concepts including an introduction to trigonometry, proofs and theorems, and circles. Conditional probability and data sets are explored. Application, modeling, and reasoning are emphasized.

INTERMEDIATE ALGEBRA		Enrollment Based
2070	1 unit	10,11,12

Prerequisite – Geometry

This course introduces fundamental Algebra 2 concepts. Essential topics include complex numbers, arithmetic operations with polynomials, solving rational and radical equations, and using statistics to make inferences.

MATHEMATICS EXTENSION		Enrollment Based
2012	1/2 unit	9,10,11,12

Prerequisite – Teacher recommendation

This course is designed for students who need additional support for success in acquiring mathematical skills and concepts. Course instruction uses prescriptive lessons to improve student understanding of math principles. This course may be repeated for credit. One-half unit of credit may be applied toward the minimum graduation requirements in mathematics.

MATHEMATICS – INDEPENDENT STUDY		Enrollment Based
2211	1/2 unit	9,10,11,12

Prerequisite – Teacher recommendation

This course is a study of mathematics beyond that normally offered in the regular courses. This course is repeatable.

PRECALCULUS (H)		Enrollment Based
2154 H	1 unit	10,11,12

Prerequisite – Algebra 2 H with a “B” or better

This course is designed to prepare the student for a full year's study of Calculus BC H/AP. Topics include algebraic functions and their graphs, transcendental functions, analytic trigonometry with applications, vectors, matrices, and analytic geometry. Students enrolling in the course may qualify for JCCC credit (College Now).

STATISTICS		Enrollment Based
2242	1/2 unit	10,11,12

Prerequisite – Algebra 2

Content includes the elementary principles of probability and statistics and their application in the study of problems arising in the analysis of experimental data. The course is designed for students interested in math, science, business, economics, and/or social science. A student may take this course in conjunction with additional math courses beyond Algebra 2.

MATHEMATICS

STATISTICS AP PLUS		Enrollment Based
2247 AP	1 unit	10,11,12

Prerequisite – Algebra 2 with a “B” or better

Content listed for course 2242 will be covered in this course, with additional problems and projects related to the field of engineering or scientific applications pertinent to research. Discrete topics will include counting methods, probability, and discrete random variable distributions. Students will also use simulations to model data. Students who have received a full credit for Statistics may not take the 1/2 credit Statistics course. Students enrolling in the course may qualify for JCCC credit (College Now).

INDIVIDUAL GOALS - MATH		Enrollment Based
0218 / 0219	1 unit / 1/2 unit	9
0213 / 0216	1 unit / 1/2	10
0214 / 0217	1 unit / 1/2	11
0215 / 0220	1 unit / 1/2	12

Prerequisite – IEP team recommendation

Enrollment in the course is determined by the Individual Education Program team. The course will be based on alternate curriculum. The credit in this course maybe applied toward minimum graduation requirement in Math.

ACT/SAT PREPARATION		Enrollment Based
9937	1/2 unit	10,11,12

Prerequisite – None

In this elective course, students will understand the test taking and test preparation process. Additionally, they will be exposed to various types of SAT/ACT questions, review specific content covered on the tests, and interpret and use test scores. Students are encouraged to complete the entire course the semester before they begin college admissions testing.

MOBILE EQUIPMENT MAINTENANCE

SMSD Career Pathways	
Pathway: Mobile Equipment Maintenance	Strand: Auto Tech
Intro Level	Projects in Industrial Tech (taken in middle school)
	Intro to Business (0.5)
	Automotive Essentials (0.5)
Technical Level	Automotive Technology 1 (1.0)
	Entrepreneurship (0.5)
Application Level	Automotive Technology 2 (1.0)
	Automotive Technology 3 (1.0)

AUTOMOTIVE ESSENTIALS Enrollment Based
 6601 1/2 unit 10, 11, 12

Prerequisite – None

This course is taught at SM East, SM North, and SM West. Students will learn basic skills and knowledge needed to own and maintain a vehicle. Topics include vehicle safety, purchasing a vehicle, recommended maintenance, vehicle upkeep, and roadside emergency procedures. Students provide transportation to school site. This course is recommended for all students who currently own or plan to own their own vehicle.

AUTOMOTIVE TECHNOLOGY 3 Enrollment Based
 6604 1 unit (2-hour block per semester) 12

Prerequisite – Automotive Technology 2

This course is taught at SM East, SM North, and SM West and provides further study in the area of automotive equipment. Students will have the opportunity to diagnose and repair automobiles and light trucks. Students are prepared for entry-level employment or post-secondary education. Students provide transportation to school site. Course cost is determined by projects chosen by students.

AUTOMOTIVE TECHNOLOGY 1 Enrollment Based
 6602 1 unit 11, 12

Prerequisite –None

This course is taught at SM East, SM North, and SM West. This course is a technical-level course designed to provide students with basic theories and information needed to develop an understanding of automotive and light truck vehicles. Topics include shop operations and safety, engine repair, drive train, suspension and steering, brakes, electrical systems, heating and air conditioning, and engine performance. Hands-on services experience is included. Students provide transportation to school site. Course cost is determined by projects chosen by students.

AUTOMOTIVE TECHNOLOGY 2 Enrollment Based
 6603 1 unit (2-hour block per semester) 12

Prerequisite – Automotive Technology 1

This course is taught at SM East, SM North, and SM West. The course is designed to provide students with the knowledge and skills for the operation of automotive equipment for automotive and light truck service. Advanced study in the areas of shop operations and safety, engine repair, drive train, suspension and steering, brakes, electrical systems, heating and air conditioning, engine performance, and alternative energy. Students provide transportation to school site. Course cost determined by projects chosen by student.

MUSIC / PERFORMING ARTS

BAND Enrollment Based 9,10,11,12

7188	1/2 unit	Band
7195	1/2 unit	Concert
7196	1/2 unit	Freshman
7197	1/2 unit	Marching
7198	1/2 unit	Symphonic
7199	1/2 unit	Wind Ensemble

Prerequisite – Placement by teacher

Band is a general title for the several different bands (marching and concert). These bands vary according to size, musical development of students, and difficulty of music literature performed. Students should enroll for band without reference to a specific band class. The band director will place students in the proper band after completing the audition procedure. Course may be repeated, provided students enroll in consecutive semesters of band, for a maximum of 4 units of credit except for Band-Freshman. Exceptions will be made at the discretion of the director.

CHOIR Enrollment Based 9,10,11,12

7116	1 unit	Choir
7117	1 unit	A Cappella
7119	1 unit	Men
7120	1 unit	Women

Prerequisite – Placement by teacher

Choir is a general title for the several levels of choir for mixed voices (men and women). These choirs vary according to size, musical development of students, and difficulty of music literature performed. Students should enroll in choir without reference to a specific choir class. The choir teacher will place students in the proper choir after enrollment has been completed. Course may be repeated for a maximum of 4 units of credit.

CHOIR – CHAMBER SINGERS Enrollment Based 9,10,11,12

Prerequisite – Placement by teacher

Chamber Choir is a select vocal music group. Ensemble performance of the highest level is expected. Multiple performances throughout the school year will take place in a variety of venues. Students should be a member of another regular choral class.

CHOIR – MEN SELECT Enrollment Based 7129 1/2 unit 9,10,11,12

Prerequisite – Placement by teacher

Men Select choir is a vocal music instruction and performance group for men grades 9-12. Course may be repeated.

CHOIR – WOMEN SELECT Enrollment Based 7130 1/2 unit 9,10,11,12

Prerequisite – Placement by teacher

Women Select choir is a vocal music instruction and performance group for women grades 9-12. Course may be repeated.

CHORAL ENSEMBLE Enrollment Based 7113 1 unit 9,10,11,12

Prerequisite – Placement by teacher

Choral ensembles are small, select musical groups. Ensemble performance of the highest level is expected.

GUITAR Enrollment Based 7240 1/2 unit 9,10,11,12

Prerequisite – None

Music fundamentals, chords and chordal structure, and progressions, as well as melody playing are studied. Students furnish their own guitar as specified by the teacher. Instrument required. Course may be repeated for credit.

INSTRUMENTAL ENSEMBLE Enrollment Based 7185 1/2 unit 9,10,11,12

Prerequisite – Placement by teacher

This course number is available for teachers and counselors for unique and special groups of instruments and/or other instruments that do not organizationally fit within any of the other classifications.

JAZZ ENSEMBLE 1 Enrollment Based 7253 1 unit 9,10,11,12

Prerequisite – Placement by teacher

Students will have an initial exposure to playing jazz and improvisation techniques. Students must be members of another regular band class or orchestra class.

JAZZ ENSEMBLE 2 Enrollment Based 7252 1 unit 11,12

Prerequisite – Teacher recommendation

Students will perform jazz and stage band music and continue improvisation technique. Students must be members of another band class or orchestra class.

MUSIC / PERFORMING ARTS

MUSIC – INDEPENDENT STUDY		Enrollment Based
7291	1/2 unit	9,10,11,12

Prerequisite – Teacher recommendation

Students work on individual projects with a selected music teacher. This course is repeatable.

MUSIC THEORY (H)		Enrollment Based
7271	1 unit	11,12

Prerequisite – Ability to read music and teacher recommendation

Students learn basic fundamentals of harmonic techniques, interval recognition, melodic and simple harmonic dictation, simple keyboard harmony, and elements of composing. A survey is made of music history and music literature. The course is college preparatory for a student intending to major in music. Successful completion of the course may allow the student an advanced placement standing in college music theory courses.

MUSIC – VOICE TECHNIQUE		Enrollment Based
7320	1/2 unit	9,10,11,12

Prerequisite – None

This course provides a group approach to studying voice. Students will be developing and extending vocal skills through voice exercises and related activities. Many students will be developing skills as soloists. The course does not require performances.

ORCHESTRA		Enrollment Based
		9,10,11,12

7161	1 unit	Orchestra
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7164	1 unit	Chamber
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7165	1 unit	Symphonic
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7166	1 unit	String Ensemble
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Prerequisite – Placement by teacher

Orchestra is a general title for several different orchestras. These orchestras vary according to size, musical development of students, and type of music literature performed. Students should enroll for orchestra without reference to a specific orchestra class. The orchestra teacher will place students in the proper orchestra. Course may be repeated for a maximum of 4 units of credit.

INDIVIDUAL GOALS – FINE ARTS		Enrollment Based
0508	1 unit	9,10,11,12

Prerequisite – IEP team recommendation

The student's IEP will require enrolling in this course to meet Kansas extended standards and graduation requirements.

PHYSICAL EDUCATION AND HEALTH

ADVANCED WEIGHT TRAINING	Enrollment Based
8260 1/2 unit	9,10,11,12

Prerequisite – Teacher recommendation

This course is to further enhance the individual development in weight training and conditioning. Advanced weight lifting routines and increasing strength and endurance will be covered. Course may be repeated for credit.

DANCE	Enrollment Based
8171 1/2 unit	9,10,11,12

Prerequisite – None

Students participate in and perform specific dance routines and choreography including: ballet, jazz, tap, aerobics, ballroom, line, modern and cheer. Credit may be applied toward the minimum fine arts graduation requirement. This course may be taken for a maximum of 4 units.

DUAL AND INDIVIDUAL SPORTS	Enrollment Based
8160 1/2 unit	9,10,11,12

Prerequisite – None

Students learn dual and individual sports that will be available to them as adults. Activities may include: net games, aquatic games, disc golf, recreation games, bowling, golf, and archery. These activities will be divided in various combinations throughout the semester. Course may be repeated for credit.

FITNESS FOR LIFE	Enrollment Based
ES8165 1/2 unit	9,10,11,12

Prerequisite – None

Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students to assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design fitness programs to meet their individual fitness goals. *This course does not meet NCAA eligibility requirements and is not repeatable for credit. **This course is only available through eSchool, see the Specialized Programs, eSchool, for more information.**

HEALTH EDUCATION 1	Enrollment Based
9220 1/2 unit	9,10,11,12

Prerequisite – None

This course curriculum includes content in the areas of mental health, human growth and development, addictions, fitness for life, disease prevention, nutrition, personal relationships, and abstinence-based human sexuality. See graduation requirements. This course may also be taken through eSchool.

HEALTH EDUCATION 2	Enrollment Based
9225 1/2 unit	9,10,11,12

Prerequisite – Health 1

This course curriculum includes a deeper exploration of the seven dimensions of health and how they depend on each other. Content is explored through the lens of public health issues related to mental health, nutrition and wellness, disease prevention, addiction, violence prevention, and first aid/CPR. Careers in health services are researched and explored. This course does not meet the SMSD graduation requirement for Health. This is a general elective credit only.

INDIVIDUAL FITNESS	Enrollment Based
8467 1/2 unit	9,10,11,12

Prerequisite – None

This course offers the opportunity to participate in lifetime physical fitness activities with a focus on personalized fitness. Course may be repeated for credit.

PHYSICAL EDUCATION CONCEPTS	Enrollment Based
8032 / 8034(G) 1/2 unit	9,10,11,12

Prerequisite – None

This course provides an opportunity for students to participate in a variety of physical concepts and learn the value of quality lifetime physical fitness. Units may include: individual, dual, and team sports, fitness-based activities, rhythmic activities, and aquatics. Course may be repeated for credit. **(G) Designates course for girls only**

TEAM GAMES	Enrollment Based
8230 1/2 unit	10,11,12

Prerequisite – None

Students participate in various competitive team games and activities including football, softball, ultimate frisbee, volleyball, basketball, soccer, team handball, speedball, and lead-up games. Course may be repeated for credit.

WEIGHT TRAINING	Enrollment Based
8256 / 8257(G) 1/2 unit	9,10,11,12

Prerequisite – None

This course is to introduce the individual development in weight training and conditioning. Techniques of weight lifting and increasing strength and endurance will be covered. Course may be repeated for credit. **(G) Designates course for girls only**

INDIVIDUAL GOALS - HEALTH	Enrollment Based
0502 1/2 unit	9,10,11,12

Prerequisite – IEP team recommendation

Enrollment in this course is determined by the Individual Education Plan team. The team will base recommendations on individual student need and state requirements. Credit in this course may be applied toward the minimum graduation requirement in health.

SCIENCE

BIOLOGY 1	Enrollment Based
4130 1 unit laboratory biological science	9

Prerequisite – None

This course is designed to develop an understanding of plant and animal systems, environmental relationships, bioenergetics, genetics, and biotechnology. There is an emphasis on scientific problem solving and higher level thinking skills. Goggles are required for safety in the lab and can be ordered through the classroom teacher. Course fee will not exceed \$3.00.

BIOLOGY 1 H	Enrollment Based
4131 1 unit laboratory biological science	9

Prerequisite – None

Biology 1 H emphasizes learning biological principles and scientific problem solving through an inquiry approach, open-ended investigations, and independent research. Technology and outside reading of current literature provide additional enrichment. Goggles are required for safety in the lab and can be ordered through the classroom teacher. Course fee will not exceed \$3.00.

BIOLOGY 2 AP	Enrollment Based
4151 AP 1 unit laboratory biological science	10,11,12

Prerequisite – Biology 1 with “B” or better and previous or concurrent enrollment in Chemistry 1

This college level course emphasizes a comprehensive understanding of biology through the use of technology, scientific journals, college textbooks, lectures, laboratory investigations, and examinations. Students enrolled in this course may be eligible for JCCC credit (College Now) or Baker University credit. Goggles are required for safety in the lab and can be ordered through the classroom teacher. Course fee will not exceed \$3.00.

BIOTECHNOLOGY, INTRODUCTION TO	Enrollment Based
4154 1/2 unit laboratory biological science	10,11,12

Prerequisite – Biology

This course is designed to give students an introduction to biotechnology industry including a description of the science of biotechnology; examples of careers; and job responsibilities associated with biotechnology. Students will gain introductory laboratory experience and biochemistry utilized in the biotechnology industry. Intro to Biotechnology can be taken concurrently with Biotechnology 1.

For advanced coursework in biotechnology see the Signature Program section under Biotechnology.

CHEMISTRY 1	Enrollment Based
4170 1 unit laboratory physical science	10,11,12

Prerequisite – Completion of Geometry or teacher recommendation

Students study the interactions and changes between matter and energy. Laboratory investigations involve the students in scientific problem solving and the inquiry processes of science. Goggles are required for safety in the lab and can be ordered through the classroom teacher. Course fee will not exceed \$3.00.

CHEMISTRY 1 (H)	Enrollment Based
4169 1 unit laboratory physical science	10,11,12

Prerequisite – Completion of or concurrent enrollment in Honors Algebra 2 or teacher recommendation

Chemistry 1 Honors is an advanced course in which students will investigate the structure, properties and changes that matter undergoes during chemical reactions. Students are instructed in inquiry-based laboratory investigations, the unitization of technology, and free-response writing. This course requires a strong mathematical background and moves at an accelerated pace. Course fee will not exceed \$3.00.

CHEMISTRY 2 AP	Enrollment Based
4183 AP 1 unit laboratory physical science	11,12

Prerequisite – Chemistry 1 with “B” or better, Algebra 2 or teacher approval

Students are prepared for the advanced placement examination through a comprehensive study of chemistry principles with a college textbook, application of higher level mathematics to problems, laboratory investigations, and examinations. Students enrolled in this course may be eligible for JCCC credit (College Now). Goggles are required for safety in the lab and can be ordered through the classroom teacher. Course fee will not exceed \$3.00.

ENVIRONMENTAL EDUCATION 1	Enrollment Based
4252 1 unit laboratory biological science	11,12

Prerequisite – Biology

This lab and field-based course will provide an overview of environmental science with emphasis on native organisms, ecology, populations, and human impact on the environment. Students will explore the interactions between organisms and their environment, identify, analyze, and evaluate environmental problems, and propose solutions and alternatives through projects and activities. Through this course students will gain a better appreciation for the Earth and the area in which we live.

ENVIRONMENTAL EDUCATION 2	Enrollment Based
4321 1 unit laboratory biological science	12

Prerequisite – Environmental Education 1 with “C” or better or teacher recommendation

This course provides individuals with an in-depth study of environmental topics. Students explore career and volunteer opportunities in environmental science. Activities include teaching other students about nature and experiencing the daily maintenance of animal facilities and outdoor settings.

SCIENCE

ENVIRONMENTAL SCIENCE AP		Enrollment Based
4241 AP	1 unit laboratory biological science	11,12

Prerequisite – Biology 1 H, Chemistry

The intent of this course is to provide students with a perspective on the environment, one that is scientific, and will enable them to adopt an informed and responsive stance on a wide range of environmental issues. Students will develop an understanding of the environment rooted in underlying principles of science. This course acknowledges the value of empirical, quantitative, and objective data in describing and analyzing environmental systems. Students enrolled in this course may qualify for JCCC credit (College Now).

FORENSIC SCIENCE 1		Enrollment Based
4243	1/2 unit science elective	10,11,12

Prerequisite – Biology

This class is the hands-on application of science to the law. The focus is on problem-solving, designing experiments, and testing and making conclusions based on empirical evidence. Students will be expected to work in teams to theorize, design experiments, research forensic methodologies, synthesize information, and make conclusions based on their own empirical evidence. This course counts towards SMSD science elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission. Course fee will not exceed \$3.00.

FORENSIC SCIENCE 2		Enrollment Based
4245	1/2 unit science elective	10,11,12

Prerequisite – Forensic Science 1

Case studies are provided for all units, as well as research/analysis completed by students on famous cases. This course furthers students' exploration of how science and inquiry are applied to the criminal justice system. Topics include: crime scene analysis, physical/chemical analysis of evidence, microscopy, chromatography, hair/fiber/glass/document/fingerprint analysis, firearms, drug, toxicology, entomology, anthropology, blood (serology) and DNA analysis. Principal methods of learning include lecture, demonstration, case study analysis, forensic journal reading, forensics competitions, lab activities and experiments. This course will emphasize potential career pathways, critical thinking, problem-solving, observation, data analysis, and data collection, in addition to scientific skills and techniques. This course counts towards SMSD science elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission. We do not go to or compete in forensics competitions. Course fee will not exceed \$3.00.

FORENSIC SCIENCE 3		Enrollment Based
4247	1/2 unit science elective	11,12

Prerequisite – Forensic Science 2

This application level course expands upon the skills learned in Forensic Science 2. Key topics include crime and accident reconstruction, arson and fire investigation, explosions, body systems, physical trauma, and autopsy. This course includes the opportunity to job shadow/intern at local agencies. Course fee will not exceed \$3.00.

FORENSIC SCIENCE 4		Enrollment Based
4249	1/2 unit science elective	11,12

Prerequisite – Forensic Science 3

This application level course expands upon the skills learned in Forensic Science 3. Key topics include interrogation and forensic reporting, criminal profiling, cybercrimes, and digital responsibility and social networking. This course includes the opportunity to job shadow/intern at local agencies. Course fee will not exceed \$3.00.

GLOBAL ISSUES IN SCIENCE 1		Enrollment Based
4201	1 unit science elective	11,12

Prerequisite – Biology 1

Critical issues about our environment are studied as related to the impact on the planet. Topics include Land Use Management, Agriculture, Bio-fuels, Genetic Engineering, Population Growth, and Infectious Disease Impact and Control.

GLOBAL ISSUES IN SCIENCE 2		Enrollment Based
4202	1 unit science elective	11,12

Prerequisite – Biology 1

Critical issues about our environment are studied as related to the impact on the planet. Topics include Energy Sources and Use, Water Quality and Use, Air Resource Management, and Natural Disasters.

HUMAN ANATOMY AND PHYSIOLOGY		Enrollment Based
4410	1 unit laboratory biological science	11,12

Prerequisite – Biology 1

Students study the structures, functions, and system interactions of the human body. This is a recommended course for students planning a human health services career. Goggles are required for safety in the lab and can be ordered through the classroom teacher. Course cost is \$15.00.

METEOROLOGY		Enrollment Based
4270	1/2 unit physical science	10,11,12

Prerequisite – None

This course provides the student with an in-depth study of the processes that govern the earth's climate and weather. Students will examine the properties of the earth's atmosphere and local data will be collected using direct observation and a variety of weather instruments. Topics include atmospheric layering, changing pressures, winds, water vapor, air masses, fronts, temperature changes, and weather forecasting.

SCIENCE

PHYSICAL SCIENCE	Enrollment Based
4128	1 unit laboratory physical science 10,11,12

Prerequisite – None

This course is a study of fundamental physics and chemistry principles. It provides a foundation for future science courses. Students will be observing, measuring, classifying, interpreting data, using metric measurement, graphing, controlling variables, problem solving, and forming conclusions. Goggles are required for safety in the lab and can be ordered through the classroom teacher. Course fee will not exceed \$3.00.

PHYSICS 1	Enrollment Based
4200	1 unit laboratory physical science 10,11,12

Prerequisite – Geometry

Physics 1 provides students with the opportunity to understand what causes the motion and energy changes of physical objects and how we can predict how these objects will behave in a given situation. Students will also learn new ways to approaching problems, methods of analyzing situations from different perspectives, and develop their logical abstract thinking skills.

PHYSICS 1 AP (H)	Enrollment Based
4203,4204 AP	1 unit laboratory physical science 10,11,12

Prerequisite – Completion of Pre-Calculus or concurrent enrollment in College Algebra/Trig or Pre-Calculus H or teacher recommendation

Students study kinematics, Newton's laws of motion, torque, rotational motion, angular momentum, gravitational motion, circular motion, work energy, power, linear momentum, oscillations, mechanical waves, sound and electricity. A college text is used with emphasis on demonstrations, laboratory activities, and problem solving. This course is recommended for students planning science related careers. Students enrolled in this course may be eligible for JCCC credit (College Now). Students in this course also have the opportunity to take the AP Physics 1 algebra-based test.

PHYSICS 2 AP (H)	Enrollment Based
4214 AP	1 unit AP Physics 2 11,12

4217 AP	1 unit AP Physics C; Mechanics 11,12
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Prerequisite – Completion of Physics 1H/AP or teacher recommendation

The Physics 2 AP course follows the curriculum plan of the College Board AP Physics 2 (non-calculus) or AP Physics C: Mechanics (calculus) course. This class is intended as college preparatory physics for students with an anticipated college major in physical science or engineering. Teachers will advise students on selection of appropriate AP exam emphasis.

SCIENCE – INDEPENDENT STUDY	Enrollment Based
4301	1/2 unit 9,10,11,12

Prerequisite – Teacher recommendation

Students submit a well-defined study or research project in some area of science to the independent study committee for approval to be admitted. The work is done by the students on their own scheduled time with periodic reports and consultations. This course is repeatable.

ZOOLOGY	Enrollment Based
4411	1/2 unit biological science 11,12

Prerequisite – Biology

Students will examine the diversity of the animal kingdom including the major groups of invertebrates and vertebrates. There is an emphasis on body structures and functions, behaviors, and evolutionary relationships among various phyla. The lab component will allow students to examine differences among animals through activities including dissection. Course cost is \$10.00.

INDIVIDUAL GOALS - SCIENCE	Enrollment Based
0501	1 unit lab biological science 9,10,11,12

0506	1 unit lab physical science
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0507	1 unit science elective
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Prerequisite – IEP team recommendation

Enrollment in the course is determined by the Individual Education Program team. The course will be based on alternate curriculum. The credit in this course may be applied toward the minimum graduation requirement in Science.

SOCIAL STUDIES

AMERICAN GOVERNMENT		Enrollment Based
3190	1/2 unit	12

Prerequisite – None

The required course in American Government is based upon students' previous learning to assist them in being informed and engaged citizens. Emphasis is placed on the rights, responsibilities, and privileges of citizenship. Students will examine the development and the fundamental principles incorporated in the United States Constitution; the organization of government at the federal, state, and local level; political parties and elections; comparative government; and foreign policy. This course is also offered through eSchool.

AMERICAN GOVERNMENT (H)/IB		Enrollment Based
3191	1/2 unit	12

Prerequisite – World Regional Studies and History of the Americas

Precepts of American Government will be studied. The course satisfies the American Government requirement for graduation.

APPLICATIONS IN LAW		Enrollment Based
6618	1 unit	12

Prerequisite – Introduction to Public Service or Introduction to the Study of Legal Systems, Practical and Business Law

This class develops the students' ability to locate and assess relative resources, summarize research findings, work individually and collaboratively to obtain, synthesize, and evaluate information in support of the position or conclusion in a legal matter. This course serves as the capstone for the Project Blue Eagle Pre-Law Signature Program.

ECONOMICS 1		Enrollment Based
3280	1/2 unit	10,11,12

Prerequisite – None

Economics 1 is designed as an introductory microeconomics course. Students will be exposed to supply and demand, different economies, factor markets, and all aspects associated with production. Students may participate in the Junior Achievement Student Company Program.

EUROPEAN HISTORY AP		Enrollment Based
3392 AP	1 unit	10,11,12

Prerequisite – None

The study of European history provides a basic understanding of the principle themes in history. Students are introduced to the cultural, economic, and social developments that played a historical role in shaping the world in which they live. In addition, the course emphasizes the interpretation and analysis of historical materials and historical interpretation.

INTERNATIONAL RELATIONS		Enrollment Based
3290	1/2 unit	10,11,12

Prerequisite – None

Students study United States foreign policy, its philosophy, techniques, vocabulary, and implementation in historical and contemporary contexts. Contemporary, topical issues will be studied and their effect on the interests of the United States. Students will gain a better understanding of the purpose and function of major governmental and nongovernmental international organizations as well as the basic principles affecting the world economy as they relate to international relations.

MACROECONOMICS AP		Enrollment Based
3283 AP	1/2 unit	10,11,12

Prerequisite – Algebra 1

Students study basic economic concepts including supply and demand, fiscal and monetary policy, inflation, unemployment, stabilization policies, economic growth and productivity, and international economics. Students enrolled in this course may be eligible for JCCC credit (College Now) or Baker University credit.

MICROECONOMICS AP		Enrollment Based
3282 AP	1/2 unit	10,11,12

Prerequisite – Algebra 1

Students develop an understanding of the principles of economics and of an economic system. Primary emphasis is placed on the nature and functions of produce markets, the study of factor markets, and of the role of government in promoting greater efficiency and equity in the economy. Students enrolled in this course may be eligible for JCCC credit (College Now) or Baker University credit.

MODERN WORLD HISTORY: RENAISSANCE TO THE PRESENT		Enrollment Based
3372	1 unit	10,11,12

Prerequisite – None

Modern World History is a survey course that gives students the opportunity to explore recurring themes of human experience common to civilizations around the globe. The focus of study will be from the Renaissance to contemporary times and will include a study of the historical roots and events of Asia and Africa. Students will broaden their historical thinking; examine significant events, ideas, and movements. Additionally students will explore how world societies have dealt with continuity and change as well as war and peace, internal stability and strife, and the contributions culminating in modern western civilization.

SOCIAL STUDIES

PRACTICAL LAW		Enrollment Based
6122	1/2 unit	10,11,12

Prerequisite – Introduction to Public Service or Introduction to the Study of Legal Systems

Practical Law is the basic study of law and will discuss such topics as constitutional law, criminal law, family law, immigration law, and torts. This course is designed to give a basic understanding of the legal system and gives practical applications in the study of law. This is a required class for continuation in the Signature Program. This course counts towards SMSD social studies elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission.

PSYCHOLOGY 1		Enrollment Based
3340	1/2 unit	10,11,12

Prerequisite – None

This course is an introduction to psychology; the theory, history, and terminology important to a basic understanding of behavior. Students will explore psychological perspectives, the subfields of psychology, and the research methods used by psychologists to explore human behavior and mental processes. Emphasis is placed on life span development, biological basis of behavior, learning, and states of consciousness.

PSYCHOLOGY 2		Enrollment Based
3350	1/2 unit	11,12

Prerequisite – Psychology 1

This course will include an in-depth approach to theories of personality, intelligence, motivation, and emotion. Various therapies and psychological disorders will be discussed and an emphasis will be placed on research that has been done in the field of psychology. A research report and/or its equivalent is expected/required.

PSYCHOLOGY AP		Enrollment Based
3360 AP	1 unit	11,12

Prerequisite – None

Students are introduced to the systematic and scientific study of the behavior and mental processes of humans. The course offers preparation for the advanced placement examination given in May of the school year and will qualify for JCCC (College Now) or Baker credit.

SOCIOLOGY 1		Enrollment Based
3370	1/2 unit	11,12

Prerequisite – None

Students gain insight into the makeup and function of human groups in society. Students study culture as the product of group experience, the interaction between the individual and the group, organization of society, and societal problems. Specific topics include: major themes of sociology, social institutions, social class, collective behavior, the aged, crime, poverty, and national and global social inequalities.

SOCIOLOGY 2		Enrollment Based
3371	1/2 unit	11,12

Prerequisite – Sociology 1

This course applies sociological concepts to social issues using the scientific method. Community resources are used extensively to implement in-depth studies and research activities.

SOCIAL STUDIES- INDEPENDENT STUDY		Enrollment Based
3120, 3121	1 unit, 1/2 unit	9,10,11,12

Prerequisite – Application by the student

Students are offered an opportunity to develop a mature and individualized approach to learning. A high degree of responsibility and initiative is required.

UNITED STATES GOVERNMENT AND POLITICS AP		Enrollment Based
3207 AP	1 unit	12

Prerequisite – None

This course provides a study of general concepts of American government during the first semester and provides students with an analytical perspective on government and politics in the United States. During the second semester students are introduced to the processes and outcomes of politics in the United States and other countries. The entire year-long course must be taken in order to fulfill the American government graduation requirement. Students enrolled in the course may be eligible for JCCC (College Now) or Baker credit.

UNITED STATES HISTORY		Enrollment Based
3160	1 unit	11,12

Prerequisite – None

The high school course of study begins with a review of the major ideas, issues, and events of the late 19th century including imperialism, industrialization, and immigration. Students will then concentrate on the critical events, people, groups and ideas, and issues of the period from 1900 to the present.

UNITED STATES HISTORY AP		Enrollment Based
3165 AP	1 unit	11,12

Prerequisite – None

The course is a chronological survey of the history of the United States from the colonial period to the present. Students will analyze historical material, synthesize their own ideas, and evaluate those of others. A goal of the United States History AP course is to develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to be able to present reason and evidence clearly and persuasively in essay format. Students enrolled in this course may be eligible for JCCC credit (College Now) or Baker credit.

SOCIAL STUDIES

WORLD REGIONAL STUDIES		Enrollment Based
3396	1 unit	9

Prerequisite – None

This course is designed to explore the political, economic, physical, and cultural geography of Europe, Asia, Africa, Latin America, South America, and Australia; and provide an introductory overview of the historical development and events that shaped each region. Students in this course will investigate the cultural contributions of each region and rapidly changing landscape of these regions.

WORLD REGIONAL STUDIES (H)		Enrollment Based
3397	1 unit	9

Prerequisite – None

This course is designed to explore the political, economic, physical, and cultural geography of Europe, Asia, Africa, Latin America, South America, and Australia; and provide an introductory overview of the historical development and events that shaped each region. Students in this course will investigate the cultural contributions of each region and the rapidly changing landscape of these regions. Emphasis is on the process and analysis skills necessary for work in future advanced placement social studies courses. Additional emphasis is on the interpretation and analysis of historical materials. A research paper or project is required.

INDIVIDUAL GOALS - SOCIAL STUDIES		Enrollment Based
		9, 10, 11, 12

0511	1 unit World Regional Studies
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0503	1 unit American History
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0504	1/2 unit American Government
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0505	1/2 unit Social Studies elective
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Prerequisite – IEP team recommendation

Enrollment in the course is determined by the Individual Education Program team. The course will be based on alternate curriculum. The credit in this course may be applied toward the minimum graduation requirement in Social Studies.

TEACHER EDUCATION

SMSD Career Pathways	
<i>Pathway: Teaching/Training</i>	<i>Strand: Teaching/Training</i>
Intro Level	Career & Life Planning (0.5)
Technical Level	Child Development & Human Growth (0.5)
	Teacher Education 1 (1.0)
Application Level	Teacher Education 2 (1.0)
	Teacher Internship (1.0)

TEACHER EDUCATION 1 Enrollment Based
6515 1 unit 10,11,12

Prerequisite – Child Development and Human Growth recommended.
Teacher approval required for second semester 10th grade students

This course introduces students to teaching as a career. Students develop lesson plans, study developmental theory, learning styles, and teaching methods; compare best practices in instructional strategies, and identify needs of diverse learners. Students will observe certified teachers to learn and practice effective communication and teaching techniques. Working with certified kindergarten through eighth grade classroom teacher mentors, students will have the opportunity to prepare and present lesson plans in the classroom setting. Students must provide transportation to the teaching site. Students enrolled in this course may be eligible for Baker University credit. A health certificate and TB test administered no more than one year prior to the first day of school are required.

TEACHER EDUCATION 2 Enrollment Based
6516 1 unit 11,12

Prerequisite – Concurrent enrollment in Teacher Internship and completion of Teacher Education 1

The second year of teacher education will allow students who plan to pursue teaching as a career to gain invaluable experience in the classroom. Topics of study include classroom management, safety procedures, effective communication skills, assessment tools, and developmental theories. Students prepare units of instruction in the areas of math, science, social studies, and reading that align with district curriculum to meet needs of student learners. Students must enroll concurrently for Teacher Internship. Students must provide transportation to the teaching site. Students enrolled in this course may be eligible for Baker credit. A health certificate and TB test administered no more than one year prior to the first day of school are required.

TEACHER INTERNSHIP Enrollment Based
6517 1 unit 11,12

Prerequisite – Concurrent enrollment in Teacher Education 2

Students will participate in hands-on classroom experience through this teaching internship. Working with kindergarten through eighth grade classroom teacher mentors, students will practice communication techniques by presenting lessons in math, science, social studies, and/or reading. As an intern, the high school student will gain valuable experiences about delivering lessons, anticipating student questions, and involving all students in lessons. Students must enroll concurrently in Teacher Education 2. Students must provide transportation to the teaching site. Students enrolled in this course may be eligible for Baker credit. A health certificate and TB test administered no more than one year prior to the first day of school are required. Internship placement will be based on grade level and/or subject area interest.

WORLD LANGUAGES

ARABIC 1 (SMS)	Enrollment Based
5300	9, 10, 11, 12

1 unit

Prerequisite – None

Students are introduced to the phonetic system of modern standard Arabic. Students develop skills in listening and speaking through the use of audiovisual materials. This course is offered only at SM South.

ARABIC 2 (SMS)	Enrollment Based
5302	10, 11, 12

1 unit

Prerequisite – Arabic 1

Students learn to function in typical cultural situations. They will be able to interact socially, understand and use appropriate vocabulary. Students develop their writing skills. In order to promote language proficiency, much of this class is taught in Arabic. This course is offered only at SM South.

ARABIC 3 (SMS)	Enrollment Based
5304	11, 12

1 unit

Prerequisite – Arabic 2

Students continue to learn language in the context of culture. Emphasis is given to reading, writing, listening, and speaking. In order to promote language proficiency, this class is mostly taught in Arabic. This course is offered only at SM South.

ARABIC 4 (H) (SMS)	Enrollment Based
5306 H	12

1 unit

Prerequisite – Arabic 3

Arabic 4H gives increasing emphasis to more formal writing and speaking skills. Listening and reading skills are stressed through an increasing use of authentic materials. In order to promote language proficiency, this class is taught in Arabic. This course is offered only at SM South.

CHINESE 1 (SME)	Enrollment Based
5326	9, 10, 11, 12

1 unit

Prerequisite – None

Students are introduced to the phonetic system of modern standard Mandarin Chinese. Students develop skills in listening and speaking through the use of audiovisual materials. Students read and write 100 Chinese characters. This course is offered only at SM East.

CHINESE 2 (SME)	Enrollment Based
5328	10, 11, 12

1 unit

Prerequisite – Chinese 1

In Chinese 2, more emphasis is placed on reading and writing. Students acquire approximately 200 more characters this year bringing the total they know to more than 300. In order to promote language proficiency, much of this class is taught in Chinese. This course is offered only at SM East.

CHINESE 3 (SME)	Enrollment Based
5330	11, 12

1 unit

Prerequisite – Chinese 2

Students develop skills in listening, speaking, reading, and writing through the use of dialogue, grammar, vocabulary study, and cultural readings. Students increase their knowledge of the Chinese-speaking world. In order to promote language proficiency, this class is mostly taught in Chinese. This course is offered only at SM East.

CHINESE 4 (H) (SME)	Enrollment Based
5332 H	12

1 unit

Prerequisite – Chinese 3

This course emphasizes increased depth in listening, speaking, reading, and writing. Students increase their knowledge of the Chinese-speaking world. In order to promote language proficiency, this class is taught in Chinese. This course is offered only at SM East.

FRENCH 1	Enrollment Based
5010	9, 10, 11, 12

1 unit

Prerequisite – None

French 1 offers a basic understanding of the French language and of the culture and geography of the French-speaking world. Students can expect to understand, speak, read and write French in the context of ordinary daily situations and topics such as family, school, numbers, telling time, sports, and clothing. Learning is enhanced through interactive activities, digital media, role playing, and authentic language activities.

FRENCH 2	Enrollment Based
5020	9, 10, 11, 12

1 unit

Prerequisite – French 1

In French 2, students continue to expand their skills in speaking, listening, reading, writing and cultural awareness of the French-speaking world. In order to promote language proficiency, much of this class is taught in French.

FRENCH 1-2 ACCELERATED	Enrollment Based
5080	9, 10, 11, 12

1 unit

Prerequisite – Teacher and counselor recommendation

This course is designed for serious language students who are concurrently enrolled or have completed course work in another world language. This course builds on the student's prior knowledge of grammatical structure and language learning. The essential learnings and objectives of French 1 and 2 are taught at an accelerated pace. Upon successful completion of the year-long course, students will enroll in French 3 for the following school year.

WORLD LANGUAGES

FRENCH 3	Enrollment Based
5030	9,10,11,12

1 unit

Prerequisite – French 2 or French 1-2 Accelerated

French 3 emphasizes oral and written communication through continued study of conversation, writings, readings, grammar and vocabulary study. Students increase their knowledge of the French-speaking world which helps them to better understand their own culture. In order to promote language proficiency, this class is mostly taught in French. More than one language level may be scheduled within one class period.

FRENCH 4	Enrollment Based
5040	10,11,12

1 unit

Prerequisite – French 3

French 4 stresses refining the basic skills taught in the first three levels of study. Short composition is stressed as well as an intensive review of grammar. Reading ability is expanded through the reading of a complete literary work. In order to promote language proficiency, this class is taught in French. More than one language level may be scheduled within one class period. Students enrolled in this course may be eligible for JCCC credit (College Now).

FRENCH 5 AP	Enrollment Based
5064 AP	11,12

1 unit

Prerequisite – French 4

French 5 AP students review the basic structure of the language with further study of the more technical details. This is accompanied by a study of the literature, culture, and history of French-speaking countries. Students are prepared for the advanced placement examination. In this level course, students are expected to engage in and sustain conversation and discussion with native and/or proficient speakers of the target language throughout the class time. In order to promote language proficiency, this class is taught in French. More than one language level may be scheduled within one class period. Students enrolled in this course may be eligible for JCCC credit (College Now).

FRENCH 6 (H)	Enrollment Based
5063H	12

1 unit

Prerequisite – French 5 AP and teacher recommendation

French 6H continues refining the language structures learned previously. Selected readings (especially masterpieces) are read and analyzed. Students are expected to engage in and sustain conversation and discussion with native and/or proficient speakers of the target language throughout the class time. In order to promote language proficiency, this class is taught in French. More than one language level may be scheduled within one class period. **Students who opted not to take the AP exam at the end of level 5 may take the exam at the end of French 6.**

GERMAN 1	Enrollment Based
5090	9,10,11,12

1 unit

Prerequisite – None

German 1 offers a basic understanding of the German language, culture, and geography. Students can expect to understand, speak, read and write German in the context of ordinary daily situations and topics such as school, sports, hobbies, family and home, shopping and traveling. Learning is enhanced through interactive activities, digital media, role playing and authentic language activities.

GERMAN 2	Enrollment Based
5100	10,11,12

1 unit

Prerequisite – German 1

In German 2, students continue to write to expand their skills in speaking, listening, reading, writing and cultural awareness of the German-speaking world. In order to promote language proficiency, much of this class is taught in German.

GERMAN 3	Enrollment Based
5110	11,12

1 unit

Prerequisite – German 2

German 3 emphasizes oral and written communication through continued study of conversation, writings, readings, grammar, and vocabulary study. Students increase their knowledge of the German-speaking world which helps them to better understand their own culture. In order to promote language proficiency, the class is taught mostly in German. More than one language level may be scheduled within one class period.

GERMAN 4 (H)	Enrollment Based
5111 H	12

1 unit

Prerequisite – German 3

German 4 H stresses refining the basic skills taught in the first three levels of study. Composition is stressed as well as an intensive review of grammar. A brief overview of history and civilization is begun. Reading skills are expanded. In order to promote language proficiency, this class is taught in German. More than one language level may be scheduled within one class period. Students enrolled in this course may be eligible for JCCC credit (College Now).

JAPANESE 1 (SMNW)	Enrollment Based
5400	9,10,11,12

1 unit

Prerequisite – None

Students are introduced to modern Japanese. Emphasis is placed on developing skill in the spoken language through work with films and videos. This course consists of an equal balance of listening, speaking, reading and writing in Japanese. We will also study a variety of aspects of traditional and modern Japanese culture. Students will learn to write Hiragana and Katakana, the two syllable alphabets of Japanese during first quarter. This course is offered only at SM Northwest.

WORLD LANGUAGES

JAPANESE 2 (SMNW)		Enrollment Based
5402	1 unit	10,11,12

Prerequisite – Japanese 1

This course is a continuation of the listening, speaking, reading and writing skills begun in Japanese 1. More emphasis is placed on reading and writing with students acquiring greater skill with characters. In order to promote language proficiency, much of this class is taught in Japanese. This course is offered only at SM Northwest.

JAPANESE 3 (SMNW)		Enrollment Based
5404	1 unit	11,12

Prerequisite – Japanese 2

Japanese 3 is the continuation of Japanese 2 with more sentence structures, more explanation of grammar and more vocabulary to reinforce oral and aural comprehension in order to develop communication skills. Reading and writing will be equally emphasized. Instruction of all the aspects of the language will be taught in authentic cultural contexts. In order to promote language proficiency, this class is taught mostly in Japanese. This class is only offered at SM Northwest.

JAPANESE 4 (H) (SMNW)		Enrollment Based
5406 H	1 unit	12

Prerequisite – Japanese 3

Japanese 4H is the continuation of Japanese 3 with more sentence structures, more explanation of grammar and more vocabulary to reinforce oral and aural comprehension in order to develop communication skills. Reading and writing will be equally emphasized. Instruction of all the aspects of the language will be taught in authentic cultural contexts. In order to promote language proficiency, this class is taught in Japanese. This course is offered only at SM Northwest.

LATIN 1 (SME,SMNW,SMS)		Enrollment Based
5120	1 unit	9,10,11,12

Prerequisite – None

Latin 1 offers a basic understanding of the Latin language and the culture and geography of the ancient Roman world. The roots of western civilization are taught as students learn the rudiments of grammar and vocabulary. Latin offers comparisons and contrasts with English and romance languages. Learning is enhanced through interactive activities, digital media, and role playing. Students read a complete novel in Latin about ordinary people of all social classes living in the shadow of smoking Vesuvius and other parts of the Roman Empire, from chilly Britain to exotic Egypt.

LATIN 2 (SME,SMNW,SMS)		Enrollment Based
5130	1 unit	10,11,12

Prerequisite – Latin 1

Latin 2 continues the study started in level 1. Students refine their knowledge of grammar, vocabulary, and English derivatives. Comparison and contrast to English is continued as students increase their knowledge in both languages.

Cultural topics include historical figures and their continuing influence in the modern world. The next novel in Latin continues with a Pompeian's travels throughout the Roman Empire.

LATIN 3 (SME,SMNW,SMS)		Enrollment Based
5135	1 unit	11,12

Prerequisite – Latin 2

Latin 3 continues the study of common expressions, idioms, and vocabulary in Latin with their connections to English. Reading skills are expanded as students begin the transition to authentic Latin by reading short selections by Roman authors. A study of classical civilization, myths, legends, religion, history, government, social behavior, the arts, and architecture continue to be emphasized.

LATIN 4 (H) (SME,SMNW,SMS)		Enrollment Based
5145 H	1 unit	12

Prerequisite – Latin 3

Latin 4 H offers an advanced study of Latin literature, culture, and history. Authentic prose and poetry by world-class authors are read and analyzed for technique and style. Elements of earlier Latin courses are refined as students concentrate on works of literature in their entirety. Students enrolled in this course may be eligible for JCCC credit (College Now).

LATIN 4 AP (SME,SMNW,SMS)		Enrollment Based
5150 AP	1 unit	12

Prerequisite – Latin 3

Latin 4 AP students review the basic structure of the language with further study of literature, culture, and history. Students read an extensive amount of Latin literature in preparation for the advanced placement exam in Virgil and Caesar. More than one language level may be scheduled within one class period. Students enrolled in this course may be eligible for JCCC credit (College Now).

RUSSIAN 1 (SMN)		Enrollment Based
5426	1 unit	9,10,11,12

Prerequisite – None

Students are introduced to the basic skills of listening comprehension, speaking, reading, and writing. Students learn the Cyrillic alphabet. Russian cultural study includes history, literature, the arts, and food. This course is offered only at SM North.

RUSSIAN 2 (SMN)		Enrollment Based
5428	1 unit	10,11,12

Prerequisite – Russian 1

Russian 2 continues the study of language skills which are important for everyday life. Study of customs will continue, but emphasis will be on career opportunities available to those who speak Russian; therefore, the language skills will focus on practical fundamentals. In order to promote language proficiency, much of this class is taught in Russian. This course is offered only at SM North.

WORLD LANGUAGES

RUSSIAN 3 (SMN)	Enrollment Based
5430 <i>H</i> 1 unit	11,12

Prerequisite – Russian 2

Students expand their written and oral communication skills through conversation and readings from Russian literature, as well as grammar and vocabulary study. In order to promote language proficiency, this class is taught mostly in Russian. This course is offered only at SM North.

RUSSIAN 4 (H) (SMN)	Enrollment Based
5432 <i>H</i> 1 unit	12

Prerequisite – Russian 3

Russian 4 stresses refining the basic skills taught in the first three levels of study. Short composition is stressed as well as an intensive review of grammar. In order to promote language proficiency, this class is taught in Russian. This course is offered only at SM North.

SPANISH 1	Enrollment Based
5160 1 unit	9,10,11,12

Prerequisite – None

Spanish 1 offers a basic understanding of the Spanish language and the culture and geography of the Spanish-speaking world. Students can expect to understand, speak, read and write Spanish in the context of ordinary daily situations and topics such as family, school, numbers, time, sports and clothing. Learning is enhanced through interactive activities, digital media, role playing, and authentic language activities.

SPANISH 2	Enrollment Based
5170 1 unit	9,10,11,12

Prerequisite – Spanish 1

In Spanish 2, students continue to expand their skills in speaking, listening, reading, writing and cultural awareness of the Spanish-speaking world. In order to promote language proficiency, much of this class is taught in Spanish.

SPANISH 1-2 ACCELERATED	Enrollment Based
5165 1 unit	9,10,11,12

Prerequisite – Teacher and counselor recommendation

This course is designed for serious language students who are concurrently enrolled or have completed course work in another world language. This course builds on the student's prior knowledge of grammatical structure and language learning. The essential learnings and objectives of Spanish 1 and 2 are taught at an accelerated pace. Upon successful completion of the year-long course, students will enroll in Spanish 3 for the following school year.

SPANISH 3	Enrollment Based
5180 1 unit	9,10,11,12

Prerequisite – Spanish 2 or Spanish 1-2 Accelerated

Spanish 3 emphasizes oral and written communication through continued study of conversation, writings, readings, grammar, and vocabulary study. Students increase their knowledge of the Spanish-speaking world which helps them to better understand their own culture. In order to promote proficiency, this class is mostly taught in Spanish. More than one language level may be scheduled within one class period.

SPANISH 4	Enrollment Based
5190 1 unit	10,11,12

Prerequisite – Spanish 3

Spanish 4 offers an advanced study of Hispanic literature, culture, and history. Various activities incorporate both writing and oral use of the language. Students work on an advanced study of the structure of the language. In order to promote language proficiency, this class is taught in Spanish. More than one language level may be scheduled within one class period. Students enrolled in this course may be eligible for JCCC credit (College Now).

SPANISH 5 AP	Enrollment Based
5214 <i>AP</i> 1 unit	11,12

Prerequisite – Spanish 4

Spanish 5 AP students review the basic structure of the language with further study of the more technical details. This is accompanied by a study of the culture and history of Latin America and Spain. In this level course, students are expected to engage in and sustain conversation and discussion with the native and/or proficient speakers of the target language throughout the class time. In order to promote language proficiency, this class is taught in Spanish. Students are prepared for the advanced placement examination. More than one language level may be scheduled within one class period. Students enrolled in this course may be eligible for JCCC credit (College Now).

SPANISH 6 (H)	Enrollment Based
5213 <i>H</i> 1 unit	12

Prerequisite – Spanish 5 AP and teacher recommendation

Spanish 6 H continues refining the language structures learned previously. Selected readings, especially masterpieces, are read and analyzed. In this level course, students are expected to engage in and sustain conversation and discussion with native and/or proficient speakers of the target language throughout the class time. In order to promote language proficiency, this class is taught in Spanish. More than one language level may be scheduled within one class period. **Students who opted not to take the AP exam at the end of level 5 may take the exam at the end of Spanish 6.**

WORLD LANGUAGES

SPANISH FOR HERITAGE SPEAKERS	Enrollment Based
5161	9,10,11,12
1 unit	

Prerequisite – Placement test or teacher recommendation

Students will focus on the interpretive and presentational (productive) modes of communication to improve reading, writing, listening, and speaking skills in Spanish. Through the study of Hispanic literature and cultural readings, students will compare and contrast the people, geography customs, and manners of Western and Spanish speaking societies. The class is conducted exclusively in Spanish. Students will be assessed to determine placement in the next level of Spanish after completion of the course. This course is repeatable for credit.

WORLD LANGUAGE – INDEPENDENT STUDY	Enrollment Based
5221	9,10,11,12
1/2 unit	

Prerequisite – None

Individual projects are designed under the supervision of the teacher. This course is repeatable.

SPECIALIZED PROGRAMS

ACT/SAT PREPARATION		Enrollment Based
9937	1/2 unit	10,11,12

Prerequisite – None

In this elective course, students will understand the test taking and test preparation process. Additionally, they will be exposed to various types of SAT/ACT questions, review specific content covered on the tests, and interpret and use test scores. Students are encouraged to complete the entire course the semester before they begin college admissions testing.

CADET TEACHING PROGRAM		Enrollment Based
9092	1/2 unit	10,11,12

Prerequisite – Counselor/ IEP Team Recommendation

The Cadet Teaching Program is a repeatable course designed to provide an opportunity for high school students to serve as a peer role model for fellow students. This could take place in any of the following locations: a social skills classroom, resource room, alternative learning environment or regular classroom. The course will require an application that provides:

1. Detailed goals and objectives
2. Specific criteria by which student's grade will be determined
3. Signatures from parent, teacher, counselor and administrator
4. Enrollment must be initiated by classroom teacher and/or case manager.

CAREER EXPERIENCE		Enrollment Based
9940	1/2 unit	11,12

Prerequisite – Administrative approval

This course is offered at each of the comprehensive high schools. Students will receive instruction related to job selection, application, and attainment. The students and teacher will work cooperatively with the employer in developing and monitoring appropriate work skills. Students provide transportation to the work site. Evaluation is based on the student's job and classroom performances. Verification of 90 hours of satisfactory job performance is required for each 1/2 credit earned. Course is taken on a pass/fail basis for a maximum of .5 units per semester. Course may be repeated for credit for a maximum of 2 units.

CAREER EXPERIENCE (HORIZONS)		Enrollment Based
9940	1/2 unit	10,11,12

Prerequisite – Administrative approval

Students will receive instruction related to job selection, application, and attainment. The students and teacher will work cooperatively with the employer in developing and monitoring appropriate work skills. Students provide transportation to the work site. Course is limited to students enrolled at Horizons. Evaluation is based on the student's job and classroom performances. Verification of 90 hours of satisfactory job performance is required for each 1/2 credit earned. Course is taken on a pass/fail basis for a maximum of 1.5 units per semester. Course may be repeated for credit.

CAREER EXPLORATION		Enrollment Based
0663	1 unit (2-hour block per semester)	10,11,12

Prerequisite – IEP team recommendation

Enrollment in this course is determined by the Individual Education Plan team. The purpose of this course is to prepare students for work and post-graduation careers. Students will complete interest surveys, explore careers and community resources and learn job seeking skills during the classroom

component and community job exploration.

COLLEGE CAMPUS STUDY		Enrollment Based
9320	No Credit, one semester	11,12

Prerequisite – Principal's authorization or by special permission. Students will submit a College Campus Study Student/Parent Application form, available in the counseling office that will be reviewed by their counselor and the school administration.

Shawnee Mission high school juniors and seniors may, with approval at their home high school, enroll in courses in local colleges and universities or a technical program at an accredited post-secondary school in alignment with their Individual Plan of Study. The cost associated with enrolling in a post-secondary institution is the responsibility of the student. Some community colleges are able to wave tuition for tiered career technical courses as covered by the Excel in CTE program (formerly known as SB 155) such as outlined by JCCC: <http://www.jccc.edu/admissions/high-school/sb-155.html>

Students will submit a College Campus Study Student/Parent Application form, available in the counseling office that will be reviewed by their counselor and the school administration. In addition, the student must complete a college Transcript Release; this form allows the college to release the student's grades to their high school.

Students enrolling in a college campus study course will have the college course transcribed for SMSD high school credit upon district receipt of the college transcript and administrator authorization.

Students may enroll in courses for a time that is equivalent to a maximum of three course periods at the high school level, including travel time. A request for a course beyond the three period equivalent must be approved by the building principal or their designee.

Please note that the district is not responsible for accidents that might occur while traveling to or from while participating in College Campus Study. For a complete description of College Campus Study, please ask your counselor for a College Campus Study packet, which includes all of the forms necessary for participation in the program.

COMMUNITY SERVICE (SMNW)		Enrollment Based
9938	1/2 unit	11,12

Prerequisite – None

Students participate in community service activities. Projects will be designed which support both its curricular programs and community. Students provide transportation to and from the community service site. Course may be repeated for credit.

INTRODUCTION TO CAREERS		Enrollment Based
0662	1/2 unit	9,10,11,12

Prerequisite – IEP Team Recommendation

Enrollment in this course is determined by the Individual Education Plan team. The purpose of this course is to prepare students for work and post-graduation careers. Students will complete interest surveys, explore careers and community resources and learn job seeking skills.

SPECIALIZED PROGRAMS

INDEPENDENT LIVING	Enrollment Based
0637 1 unit	9,10,11,12

Prerequisite – IEP team recommendation

Enrollment in the course is determined by the Individual Education Plan team. The team will base recommendations on individual student need and state requirements.

INTERPERSONAL SKILLS	Enrollment Based
9224 1/2 unit	9,10,11,12

Prerequisite – IEP team recommendation

Enrollment in the course is determined by the Individual Education Plan team. The team will base recommendations on individual student need and state requirements.

JOB SKILLS TRAINING	Enrollment Based
0665 1/2 unit (1-hour block per semester)	9,10,11,12

Prerequisite – IEP team recommendation

Enrollment in this course is determined by the Individual Education Plan team. The purpose of this course is to provide training and supervision to students needing to develop entry level work skills. Students will be placed in building based worksites/work stations based upon individual needs.

LEADERSHIP PRACTICUM	Enrollment Based
9240 1 unit	9,10,11,12

Prerequisite – None

Students learn basic leadership skills through classroom instruction and practical experience. Students improve their speaking skills, learn parliamentary procedures, and develop confidence and poise in leadership roles.

LEISURE AND RECREATION SKILLS	Enrollment Based
0812 1 unit	9,10,11,12

Prerequisite – IEP team recommendation

Enrollment in the course is determined by the Individual Education Plan team. The team will base recommendations on individual student need and state requirements.

LIFE SUSTAINING AND ENVIRONMENTAL INTERACTION SKILLS	Enrollment Based
0825 1 unit	9,10,11,12

Prerequisite – Placement test or teacher recommendation

Enrollment in the course is determined by the Individual Education Plan team. The team will base recommendations on individual student need and state requirements.

MENTOR PROGRAM	Enrollment Based
0882 2 units	11,12

Prerequisite – IEP team recommendation (Mentorship Seminar helpful but not required. This is a two-semester, two-hour block during hours 6 and 7).

Students will increase their knowledge of potential career fields, colleges, and scholarship opportunities. Students will participate in a variety of career

exploration experiences through personal interviews, field trips, shadowing, and intern/mentorships in a career area selected by the student. Each student will have the opportunity to do authentic field work in collaboration with community professionals. Students create, design, implement, lead, and develop a specific independent project and share the outcomes with an appropriate audience. Students must provide their own transportation.

MUSIC APPRECIATION	Enrollment Based
7280 1/2 unit	9,10,11,12

Prerequisite – IEP team approval

This course is offered in a virtual learning platform. Students learn the foundational skills for engaging and listening to music from a variety of cultures, understanding the ways music and culture affect each other. Students learn the foundational concepts of rhythm, melody, harmony, form, expression, as well as the types and categories of musical instruments. Students engage with a variety of genres ranging from the Baroque period through modern music on Broadway, in film, and classical. Enrollment in this course requires approval of the IEP team. This course may be applied toward the minimum fine arts graduation requirement.

S.E.E.K. Students Examining and Experiencing Knowledge	Enrollment Based
0147 1/2 unit, Fall	9,10,11,12
0148 1/2 unit, Spring	

Prerequisite – IEP team recommendation

This program is offered as an elective semester class providing a range of individualized services and supports for identified gifted students including research, in-depth studies in areas of interest, and preparation for testing and college. Students will enroll in the S.E.E.K. course in accordance with their IEP goals and will receive an elective credit/letter grade. The course may be repeated for credit.

SOCIAL SKILLS TRAINING	Enrollment Based
0818,0819,0820,0821 1 unit	9,10,11,12

Prerequisite – IEP team recommendation

Enrollment in the course is determined by the Individual Education Plan team. The team will base recommendations on individual student need and state requirements.

STUDY SKILLS	Enrollment Based
9160 1 unit	9,10,11,12

Prerequisite – None

Enrollment in the course is determined by the Individual Education Plan team. The team will base recommendations on individual student need and state requirements.

WORK STUDY	Enrollment Based
0666 1 unit (2-hour block per semester)	11,12

Prerequisite – IEP team recommendation

Enrollment in this course is determined by the Individual Education Plan team. This course is for students who obtain and maintain competitive employment. Evaluation is based on the student's job performance. Verification of 90 hours of satisfactory job performance is required for each ½ credit earned. Course is taken on a pass/fail basis for a maximum of 1.0 credit per semester.

SPECIALIZED PROGRAMS

ENGLISH LANGUAGE LEARNERS

English Language Learners (ELL) courses are available to meet the needs of students with limited English language proficiency. The ELL transition and study skills lab are offered at any high school based on need.

ELL LANGUAGE ARTS 1		Enrollment Based
1792, 1793, 1794	3 units	9,10,11,12

Prerequisite – Teacher or counselor recommendation

ELL Language Arts 1 is for English language learners at the beginning level of proficiency who are at the emerging stage of language acquisition (meaning they have minimal access to English language). Students will receive two hours of language support in all four domains (reading, writing, speaking, listening) focused on the emerging and developing performance levels of the English Language Proficiency (ELP) standards, which are aligned to the ELA core standards. The content of this course scaffolds and supports content standards of the ELA 1 course. Students may be enrolled in one additional hour of reading instruction to support skill development if needed. A maximum of two units of credit may be applied from this course toward the minimum graduation requirement in English. Regardless of total English credits acquired, the ELL student must be enrolled in an English class each year. This course may be repeated if necessary, for elective credit only.

ELL LANGUAGE ARTS 2		Enrollment Based
1796, 1797	2 units	9,10,11,12

Prerequisite – Teacher or counselor recommendation

ELL Language Arts 2 is for English language learners who are at the developing stage of language acquisition (meaning they are now capable of producing simple language structures with some errors). Students will receive two hours of language support in all four domains (reading, writing, speaking, listening) focused on the developing and approaching performance levels of the English Language Proficiency (ELP) standards, which are aligned to the ELA core standards. The content of this course scaffolds and supports content standards of the ELA coursework. Students may also be enrolled in an ELA course if appropriate. A maximum of two units of credit may be applied from this course toward the minimum graduation requirement in English. Regardless of total English credits acquired, the ELL student must be enrolled in an English class each year. This course may be repeated if necessary, for elective credit only.

ELL LANGUAGE ARTS 3		Enrollment Based
1799	1 unit	9,10,11,12

Prerequisite – Teacher or counselor recommendation

ELL Language Arts 3 is for English language learners who are at the approaching stage of language acquisition (meaning they are at the intermediate fluency level). Students will receive language support in all four domains (reading, writing, speaking, listening) focused on the approaching and proficient performance levels of the English Language Proficiency (ELP) standards, which are aligned to the ELA core standards. The content of this course scaffolds and supports content standards of the ELA coursework. Students must also be enrolled in an ELA course. A maximum of two units of credit may be applied from this course toward the minimum graduation requirement in English. Regardless of total English credits acquired, the ELL student must be enrolled in an English class each year.

ELL MATHEMATICS EXTENSION		Enrollment Based
2012	1/2 unit	9,10,11,12

Prerequisite – Teacher or counselor recommendation, ELL Students

This course is designed for ELL students who need foundational math skill development in order to be successful in core math classes. Course instruction focuses on improving student understanding of foundational math concepts. This course may be repeated for credit. One-half unit of credit may be applied toward the minimum graduation requirements in mathematics. Students may be enrolled in a core math class in addition to this course, if appropriate.

ELL STUDY SKILLS LAB		Enrollment Based
1802	1 unit	9,10,11,12

Prerequisite – Teacher or counselor recommendation

This course is designed to facilitate the development of organizational skills, time management skills, and planning strategies. Students receive assistance in note-taking, vocabulary building, and concept mapping for students' core courses. Teacher-guided completion of classwork and monitoring of students' grades are key components. Course may be repeated for credit.

SPECIALIZED PROGRAMS

eSCHOOL COURSES

The Shawnee Mission School District offers a limited number of virtual (online) courses, which are delivered outside the traditional school day (fee involved). Courses are led by certified instructors through the Edgenuity online platform. Specific information regarding the courses offered is listed below. **Courses offered through the eSchool program do not meet NCAA eligibility requirements.** The district will continue to research and develop other courses for future development. For information regarding eSchool, please contact (913 993-9740) or refer to the eSchool webpage: www.smsd.org/academics/eschool.

Students will need to attend a mandatory orientation meeting to participate in eSchool courses. Meeting opportunities will occur near the start date of each semester. **Students will also be required to take the final exam for the course in a supervised testing center located at a designated SMSD campus under the direct supervision of eSchool teachers and administration.** Specific dates, times, and locations for these required activities can be found on the eSchool website: www.smsd.org/academics/eschool.

AMERICAN GOVERNMENT		Enrollment Based
ES3990	1/2 unit	12

Prerequisite – None

The required course in American Government is based upon students' previous learning to assist them in being informed and engaged citizens. Emphasis is placed on the rights, responsibilities, and privileges of citizenship. Students will examine the development and the fundamental principle incorporated into the United States Constitution; the organization of government at the federal, state, and local level; political parties and elections; comparative government; and foreign policy. (See graduation requirements.)***This course does not meet NCAA eligibility requirements and is not repeatable for credit.**

ART HISTORY		Enrollment Based
ES7615	1/2 unit	9,10,11,12

Prerequisite – None

Introducing art within historical, social, geographical, political, and religions context for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Credit for art courses may be applied toward the minimum fine arts graduation requirement. ***This course does not meet NCAA eligibility requirements and is not repeatable for credit.**

ELA 3		Enrollment Based
ES1150	1 unit	11

Prerequisite – ELA 2

Students read closely and think critically about diverse themes in American history, using a variety of fiction and informational texts. Students will write analytically through a range of formal and informal writing, actively participate in oral discussions, apply appropriate language skills in writing and speaking, and develop research skills using teacher-directed and student-generated topics. ***This course does not meet NCAA eligibility requirements and is not repeatable for credit.**

ELA 4		Enrollment Based
ES1160	1 unit	12

Prerequisite – ELA 3

Students read closely and think critically about diverse and relevant themes, using a variety of fiction and informational texts. Students will write analytically through a range of appropriate language skills in writing and speaking and refined research skills using teacher-directed and student-generated topics. ***This course does not meet NCAA eligibility requirements and is not repeatable for credit.**

FINANCIAL LITERACY		Enrollment Based
ES6387	1/2 unit	10,11,12

Prerequisite – None

This course is a comprehensive study of personal financial literacy designed for all students and is aligned to the national standards for personal financial literacy. Students learn how to make informed financial decisions related to budgeting, banking, credit, insurance, taxes and career exploration. An integral component of the financial literacy curriculum is the application of decision-making skill that enables students to become more responsible consumers for lifetime success. (See graduation requirements.)***This course does not meet NCAA eligibility requirements and is not repeatable for credit.**

FITNESS FOR LIFE		Enrollment Based
ES8165	1/2 unit	9,10,11,12

Prerequisite – None

Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students to assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design fitness programs to meet their individual fitness goals. ***This course does not meet NCAA eligibility requirements and is not repeatable for credit.**

SPECIALIZED PROGRAMS

ESCHOOL COURSES

HEALTH EDUCATION 1

ES9220

1/2 unit,

Enrollment Based

9, 10, 11, 12

Prerequisite – None

The Health Education course curriculum will include content in the areas of mental health, human growth and development, addictions, fitness for life, disease prevention, nutrition, personal relationships, and abstinence-based human sexuality. (See graduation requirements.) ***This course does not meet NCAA eligibility requirements and is not repeatable for credit.**

PSYCHOLOGY 1

ES3340

1/2 unit

Enrollment Based

10, 11, 12

Prerequisite – None

This course is an introduction to psychology; the theory, history, and terminology important to a basic understanding of behavior. Students will explore psychological perspectives, the subfields of psychology and the research methods used by psychologists to explore human behavior and mental processes. Emphasis is placed on life span development, biological basis of behavior, learning and states of consciousness. ***This course does not meet NCAA eligibility requirements and is not repeatable for credit.**

UNITED STATES HISTORY

Based

ES3160

Enrollment

1 unit ~~11, 12~~**Prerequisite – None**

The high school course of study begins with a review of the major ideas, issues, and events of the late 19th century including imperialism, industrialization, and immigration. Students will then concentrate on the critical events, people, groups and ideas, and issues of the period from 1900 to the present. ***This course does not meet NCAA eligibility requirements and is not repeatable for credit.**

SPECIALIZED PROGRAMS

NJROTC / NNDCC

NAVAL JUNIOR RESERVE OFFICERS TRAINING CORPS (NJROTC) OFFERED AT SMN AND

NAVY NATIONAL DEFENSE CADET CORPS (NNDCC) OFFERED AT SMW.

The Shawnee Mission School District is proud to offer the Naval Junior Reserve Officers Training Corps at SM North High School. For the 2020-2021 school year, SM West will provide all courses similar to SM North, but their program is identified as the Navy National Defense Cadet Corps. All district high school students are eligible to enroll in either NJROTC or NNDCC as full-time students on transfer to SM North or SM West or as part-time students, schedule permitting. Students in the NJROTC or the NNDCC programs are responsible to transport themselves to the host school on scheduled class days. Part-time students will be provided transportation by the district from the appropriate NJROTC or NNDCC site back to their home school. Part-time students from SM East and SM South will attend SM West. Part-time students from SM Northwest will attend SM North.

The district partners with the Navy to present a four-year curriculum that blends various classroom subjects including social studies, science, and physical fitness, each from a military perspective such as military history, oceanography, and lifetime personal fitness. Enrolled students will satisfy district physical education requirements with two-year participation in NJROTC/NNDCC. Although a student may join NJROTC/NNDCC at any point in their high school career, the maximum benefits of the curriculum are realized when it is followed from the student's freshman year through their senior year. Students derive a great deal of satisfaction as they transition from the role of follower in 9th grade through the various leadership levels to senior leader in the chain of command by the time they graduate. Those interested in combining military service with college studies will enjoy the advantage of a recommendation by the Senior Naval Science Instructor (SNSI) to attend the United States Naval Academy or receive a college ROTC scholarship. Recommendation does not guarantee academy appointment or a ROTC scholarship, but it is very helpful.

Physical Fitness: Each course has physical training (PT) as a significant component. The focus of NJROTC/NNDCC's PT regimen is personal fitness. Although team games are sometimes played, the major focus of PT is for the cadet to gain an appreciation of lifelong fitness. Nutrition is also discussed as the "healthy mind, healthy body" concept is developed to the fullest. Naval Science (NJROTC) may be applied for physical education (P.E.) credit to meet graduation requirements. A maximum of one-half (1/2) unit of NJROTC/NNDCC per year for a total of one (1) unit, may count as physical education credit. Two full years of NJROTC/NNDCC would satisfy the graduation requirement of one (1) unit of physical education. Additional NJROTC/NNDCC units will be counted as elective credit. Elective credit is given for up to a total of four (4) units when the P.E. credit option is not taken.

Extracurricular activities: Full benefit from the NJROTC/NNDCC curriculum is achieved when the cadet chooses at least one NJROTC/NNDCC extracurricular activity in which to participate. These include: Drill Team (precision marching and rifle spinning), orienteering (land navigation through pre-described courses in the woods using only a map and a compass), PT Team (for those who are really into exercising), and Academic Team (this team takes a test centered on questions from our textbooks and current events). The PT Team and Academic Team travel with the Drill Team to out-of-town competitions and compete for the possibility of attending the Navy National Drill Competition held each spring in Pensacola, Florida. Students are responsible for transportation to special events and activities.

CITIZENSHIP/LEADERSHIP DEVELOPMENT NS 1		
Enrollment Based		
9050	1 unit	9,10,11,12

Prerequisite – None

Students are introduced to the NJROTC program: citizenship, foundations of government, leadership, and Navy operational platforms such as ships, submarines, and aircraft. Marching drills, commands, and ceremonial procedures are utilized in the basic training of the new cadet/student. Leadership, self-discipline, responsibility, and learning to be a good follower are core concepts of this course. Peripheral studies include naval heritage, customs and courtesies of the military, and the US Navy chain of command. Uniforms are issued to each student free of charge.

CITIZENSHIP/LEADERSHIP DEVELOPMENT NS 2		
Enrollment Based		
9055	1 unit	10,11,12

Prerequisite – Citizenship/Leadership Development NS 1

Students are introduced to sonar, maritime geography, oceanography, electronics, meteorology, and shipboard operations. Maritime history is explored from early western civilization through the present. Cadets also continue their study and practice of marching drills, commands, and ceremonies. Students begin the transition from follower to leader. College preparation is stressed and each cadet creates goals for the future. Students begin to learn how to apply for a college scholarship.

SPECIALIZED PROGRAMS

NJROTC / NNDCC

CITIZENSHIP/LEADERSHIP DEVELOPMENT NS 3		
		Enrollment Based
9060	1 unit	11,12

Prerequisite – Citizenship/Leadership Development NS 2

Cadets are introduced to sea power and national security, naval operations and support functions, military law, international law and the sea, basic seamanship, ship construction, damage control, and naval aircraft. Drills, commands, and ceremonies are now examined completely from the role of the experienced cadet who has a leadership role in the program. Students are promoted to high level positions of leadership and responsibility.

CITIZENSHIP/LEADERSHIP DEVELOPMENT NS 4		
		Enrollment Based
9061	1 unit	12

Prerequisite – Citizenship/Leadership Development NS 3

Cadets are introduced to the subjects of military justice, U.S. Navy research and development, grand strategy and preparedness, and maritime logistics. Case studies in leadership are also studied. Students are promoted to the very top positions in the program. Career planning and educational goals are formalized as the cadet prepares to graduate from high school.

NJROTC – INDEPENDENT STUDY		Enrollment Based
9065	1/2 unit	10,11,12

Prerequisite – Successful completion of one unit within the Naval Science program

Cadets will be introduced to the value of citizenship, service to community and country, personal responsibility and a sense of accomplishment. The importance of the Core Values of honor, courage and commitment, as well as qualities such as selflessness, cooperation, teamwork and self-discipline. Cadets will also have the opportunity to demonstrate the leadership qualities they have learned as they advance in the program.

SIGNATURE PROGRAMS

Shawnee Mission Signature Programs provide high school students the opportunity to explore unique areas of study in preparation for specialized academic and future career opportunities. Students participating in Signature Programs receive targeted instruction that is both rigorous and relevant. These specialized programs reflect our district's commitment to providing quality educational opportunities that will enable students to be successful in 21st century careers and advanced studies. In the majority of programs listed below, introductory courses are offered (unless noted in the Program Planning Guide course information) at each of the respective high schools with advanced coursework offered at the Center for Academic Achievement (CAA) and the Career and Technical Campus (CTC). District transportation is provided for students to participate in the Signature Programs offered at CAA and/or the Career and Technical Campus (CTC). Courses that feature student research internships, professional shadowing experiences, and/or courses offered beyond the traditional school day do require students' to provide their own transportation.

ANIMATION AND GAME DESIGN

Center for Academic Achievement

In this signature program, state-of-the-art software and equipment is used by students as they learn 21st century multimedia skills. The courses taken in this program teach students the fundamentals of motion graphics, principles of animation, and problem-solving skills they need to excel in advertising, movies, video games, architecture, engineering, and other industries where 3D animators are in demand.

BIOTECHNOLOGY

Center for Academic Achievement

Students learn and practice advanced skills in biotechnology in the areas of DNA/proteomics, pharmacology, agriculture, and bioinformatics. Advanced laboratory experience including original research design and implementation, and exposure to off-site experiences in area research labs.

CULINARY ARTS AND HOSPITALITY

Center for Academic Achievement

Students prepare for the multi-faceted hospitality industry in the award-winning Broadmoor Bistro, a restaurant and hospitality operation directed and executed by students in either the culinary arts or commercial baking program.

ENGINEERING / PROJECT LEAD THE WAY

Center for Academic Achievement

PLTW® engineering courses introduce students to the scope, rigor, and discipline of engineering prior to entering college. Students learn to work as a team to solve real-world problems using state-of-the-art computer software and technology. Teams apply principles developed in PLTW® courses and are guided by community mentors. Students brainstorm possibilities, research current patents and regulations, construct working models, test the models in real-life situations, document their designs, and present and defend the design to a panel of experts. Introduction to Engineering Design and Principles of Engineering, the first two courses in the series, are available at all SMSD high schools.

INTERNATIONAL BACCALAUREATE

SME, SMN, SMNW

The International Baccalaureate (IB) Program is a two-year college preparatory curriculum. Students who successfully complete the comprehensive program may earn a diploma from the International Baccalaureate Organization. The program is widely recognized by the world's leading universities and students may earn college credit for certain courses.

The IB program requires that diploma students complete a sequence of courses from six curricular groups: English, World Languages, History, Science, Math, and the Arts and Sciences. Students who wish to participate in IB but not obtain a diploma can take individual classes for recognition via certificate at SM East, SM North, and SM Northwest.

LAW, PUBLIC SAFETY AND SECURITY

Career and Technical Campus

Project Blue Eagle concentrates on exposing the student to four career paths – law enforcement, firefighting, emergency medical technician, and the legal profession. Courses introduce students to basic law, the history of each of the four professional areas, an explanation of how each professional area works, the requirements, their compensation, and all of the pertinent information necessary for a student to consider moving in this career path. Classes in this program could be beneficial and informative to any student regardless of their chosen career path.

MEDICAL HEALTH SCIENCE

Center for Academic Achievement

Medical Health Science courses are designed to address the needs of students who desire a rigorous curricular experience. The program will provide skills, knowledge, and understanding that will create a foundation for students planning to enter the healthcare field.

Students receive intensive exposure to medical careers through tours, speakers, seminar participation, and shadowing. Emphasis is placed upon increasing self-awareness, critical thinking skills, and problem-solving skills. The medical health Signature Program will provide students the opportunity to explore and investigate various professional opportunities in this very competitive career field.

ANIMATION AND GAME DESIGN

A SIGNATURE PROGRAM AT CAA

State-of-the-art software and equipment is used by students as they learn 21st century multimedia skills. The courses taken in this program teach students the fundamentals of motion graphics, principles of animation, and problem-solving skills they need to excel in advertising, movies, video games, architecture, engineering, and other industries where 3D animators are in demand. District transportation is provided from the students' home high schools to the Center for Academic Achievement and back to the home high school.

SMSD Career Pathways

Pathway: Information Technology	Strand: Web & Digital Communications
Intro Level	Computer Dimensions 2 (taken in middle school) <u>or</u> Microsoft Business Applications (0.5)
Technical Level	2D Animation (1.0)
	3D Modeling and Animation (1.0)
	Game Design & Development 1 (1.0)
	Web Design (1.0)
	Digital Design Studio (1.0)
Application Level	3D Modeling & Animation 2 (1.0)
	Digital Design Studio, Advanced (1.0)
	Editorial Leadership, Project Management (1.0)

CONTEMPORARY COMMUNICATIONS IN ANIMATION AND INTERACTIVE MEDIA (CAA)

Enrollment Based

1640 1/2 unit 11,12

Prerequisite – ELA 2

Contemporary Communications provides students with a blended learning environment by which they explore fundamentals of effective communication in the 21st century while enrolled in Shawnee Mission Signature Program courses at the Center for Academic Achievement. Students develop and apply skills in personal communication including critical thinking, speaking, listening, and written communications linked to the Signature Programs of study of their interest. Students will participate in ongoing activities aligned to Kansas English Language Arts standards while enhancing content linked directly to the respective Signature Programs. A significant portion of the course is conducted via on-line assignments and communication. **This blended format requires students to be attentive to assignment deadlines and electronic communications from the instructor.** This course is repeatable for credit ***This course does not meet NCAA eligibility requirements..**

2D ANIMATION AND MOTION GRAPHICS 1 (CAA)

Enrollment Based

6071 1 unit (2-hour block per semester) 10,11,12

Prerequisite – None

This course emphasizes the design and development of visual creativity. Students will develop digitally generated 2D animations and motion graphics using industry-standard graphics software. Projects and assignments will cover the principles of animation, basic elements of design, storyboarding, animatics, sound development, and rendering. Credit may be applied toward the minimum fine arts graduation requirement. Course may qualify for JCCC advanced standing credit.

2D ANIMATION AND MOTION GRAPHICS 2 (CAA)

Enrollment Based

6072 1 unit (2-hour block per semester) 10,11,12

Prerequisite – 2D Animation and Motion Graphics 1

In this second 2D animation and motion graphics course, students will work within a creative outline to develop animations, motion graphics and visualizations that will advance their knowledge and skills acquired in the first 2D animation and motion graphics course. This project-driven course will emphasize the creative process from concept and storyboarding to creating the animatic, pre-visualization, sound design and final rendering. Credit may be applied toward the minimum fine arts graduation requirement. Course may qualify for JCCC advanced standing credit. This course may be repeated for credit.

3D MODELING AND ANIMATION 1 (CAA)

Enrollment Based

6074 1 unit (2-hour block per semester) 10,11,12

Prerequisite – None

3D animation has a breadth of industrial applications including architecture, engineering and entertainment. This course introduces students to the tools and skills needed to create 3D digital animations and visualizations. Students will model objects, create environments, realistic textures and particle systems. Students will learn the principles of animation and use those principles to animate characters and objects within an environment. Credit may be applied toward the minimum fine arts graduation requirement. Course may qualify for JCCC advanced standing credit.

ANIMATION AND GAME DESIGN

A SIGNATURE PROGRAM AT CAA

3D MODELING AND ANIMATION 2 (CAA) Enrollment Based
6075 1 unit (2-hour block per semester) 10,11,12

Prerequisite – 3D Modeling and Animation 1

In this project-driven course students will study advanced applications of 3D animation and visualization. Students will develop projects to enhance their knowledge of techniques acquired in 3D Animation 1. These topics include 3D modeling, advanced lighting, camera work, materials, animation and rendering to design and create authentic projects which may include photo-realistic images, visualizations, animations and creating portfolio quality artifacts. Credit may be applied toward the minimum fine arts graduation requirement. Course may qualify for JCCC advanced standing credit. This course may be repeated for credit.

GAME DESIGN AND DEVELOPMENT 1 (CAA) Enrollment Based
6032 1 unit (2-hour block per semester) 10,11,12

Prerequisite – None

In this introductory game development course, students will create 2D and 3D computer games and visualizations. Using creativity and problem-solving skills, students will design, program, test, and debug computer games. Students will explore the history of game development, game genres, programming logic and languages and game design principles. Credit may be applied toward the minimum fine arts graduation requirement. Course may qualify for JCCC advanced standing credit.

GAME DESIGN AND DEVELOPMENT 2 (CAA) Enrollment Based
6033 1 unit (2-hour block per semester) 11,12

Prerequisite – Game Design and Development 1

In this second gaming course, students will work within a game development framework to create games and visualizations that will advance their knowledge and skills acquired in the Game Design and Development 1 course. This project-driven course will emphasize the game creation process from idea generation and proof of concept to final game creation. Games and visualization will be developed using game development software that has both built-in and text based scripting languages. Credit may be applied toward the minimum fine arts graduation requirement. Course may qualify for JCCC advanced standing credit. This course may be repeated for credit.

BIOTECHNOLOGY

A SIGNATURE PROGRAM AT CAA

The SMSD Biotechnology Signature Program comprehensively spans introductory level skills through advanced technical skills and understanding of molecular biology. There are tremendous career opportunities in health and bioscience related fields. Biotechnology, a Signature Program at the Center for Academic Achievement, is designed to assist students in developing research skills in biotechnology. Students will learn how procedures are used by scientists through field experiences in local laboratories.

Students may enroll in the advanced biotechnology course sequence at the Center for Academic Achievement during their 10th, 11th and/or 12th grade year. Introduction to Biotechnology is offered at each high school. The various biotechnology courses are described in the lower section for this program. **District transportation is provided from the students' home high schools to the Center for Academic Achievement and back to the home high school.**

Students enroll in Biotechnology 1 during their 10th, 11th, or 12th grade year. Students gain authentic laboratory experience every day. Each student will practice the safe use of laboratory equipment and techniques currently utilized in the "real" biotechnology industry. Biotechnology 1 focuses on standard lab operating procedures.

Following successful completion of Biotechnology 1, students follow their passion into courses on DNA/Protein Diagnostics, Biotech in Agriculture/Pharmaceutical, or Biotech Research/Professional Learning Experience. These courses may be taken in an order after Biotechnology 1.

Students who complete the Biotechnology Signature Program curriculum (Introduction to Biotechnology, Biotechnology 1, Recombinant DNA and Protein Diagnostics, and Biotech in Agriculture and Pharmaceuticals) will receive a designation on their transcript as a graduate with an emphasis in biotechnology. Students may apply for advanced standing credit through Johnson County Community College or Manhattan Area Technical College.

SMSD Career Pathways

<i>Pathway: Health Science</i>	<i>Strand: Biotechnology</i>
Intro Level	Intro to Biotechnology (0.5)
Technical Level	Biotechnology 1 (1.0)
Application Level	Recombinant DNA and Protein Diagnostics Honors (1.0)
	Biotech in Agriculture and Pharmaceuticals (1.0)
	Biotech Research and Professional Learning Experience Honors (1.0)

BIOTECHNOLOGY, INTRODUCTION TO Enrollment Based
4154 1/2 unit Biological Science 10,11,12

Prerequisite – Biology

This course is taught at all five high schools and is designed to give students an introduction to biotechnology including a description of the science of biotechnology; examples of careers; and job responsibilities associated with biotechnology. The course includes an in-depth look at several biotechnology careers available in the local area. Students will gain introductory laboratory experience and develop the use of scientific processes including scientific writing and reading. Intro to Biotechnology can be taken concurrently with Biotechnology 1. **This course is taught at all five high schools.**

BIOTECHNOLOGY 1 / SLOP (CAA)
(Standard Laboratory Operating Procedure)

Enrollment Based
4133 1 unit (2-hour block per semester) 10,11,12

Prerequisite – Biology 1 with "C" or better. Introduction to Biotechnology recommended but not required.

This course is designed to provide students an authentic laboratory experience. Each student will practice the safe use of laboratory equipment and techniques currently utilized in the "real" biotechnology industry. Students will have many opportunities to apply the laboratory skills techniques and knowledge of scientific process to design authentic scientific research. Critical thinking and communication skills will be developed in order to effectively communicate results of data collection and interpretation. Course cost is \$30.00. Biotechnology 1 can be taken concurrently with Intro to Biotechnology.

BIOTECHNOLOGY

A SIGNATURE PROGRAM AT CAA

BIOTECH IN AGRICULTURE AND PHARMACEUTICALS (H) (CAA)

Enrollment Based

4145	1 unit (2-hour block per semester)	11,12
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Prerequisite – Biotechnology 1

Students will continue to develop advanced methods and techniques used in biotechnology and bioscience academia and industry. Students collaborate with each other and business partners/mentors to develop solutions to global issues including food production, health and environment. Course cost is \$30.00.

BIOTECH RESEARCH AND PROFESSIONAL LEARNING EXPERIENCE (H) (CAA)

Enrollment Based

4147	Varies, 1/2 unit increments	11,12
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Prerequisite – Biotechnology 1

Students will gain experience and understanding of all aspects of the industry through an off-site research, internship, or job shadow. Students will gain industry-related skills in planning, management, finance, technology, labor issues, community involvement, safety, and personal work habits. *Honors credit requirement: participation/presentation of student's original experimental research at a minimum of 2 science symposia/competitions/science fairs. This course may be repeated for credit. Course cost is \$30.00.

CONTEMPORARY COMMUNICATIONS IN BIOTECHNOLOGY (CAA)

Enrollment Based

1640	1/2 unit	11,12
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Prerequisite – ELA 2

Contemporary Communications provides students with a blended learning environment by which they explore fundamentals of effective communication in the 21st century while enrolled in Shawnee Mission Signature Program courses at the CAA. Students develop and apply skills in personal communication including critical thinking, speaking, listening, and written communications linked to the Signature Programs study of their interest. Students will participate in ongoing activities aligned to Kansas English Language Arts standards while enhancing content linked directly to the respective Signature Programs. A significant portion of the course is conducted via on-line assignments and communication. **This blended format requires students to be attentive to assignment deadlines and electronic communications from the instructor.** This course is repeatable for credit. *This course does not meet NCAA eligibility requirements.

RECOMBINANT DNA AND PROTEIN DIAGNOSTICS (H) (CAA)

Enrollment Based

4143	1 unit (2-hour block per semester)	11,12
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Prerequisite – Biotechnology 1

Students will apply advanced methods of investigation in the biotechnology and bioscience field. Each student will practice advanced techniques in such areas as recombinant DNA technology assay development and production/purification of proteins. The course includes opportunities to tour/job shadow local diagnostic and animal health laboratories. Course cost is \$30.00.

CULINARY ARTS AND HOSPITALITY

A SIGNATURE PROGRAM AT CAA

Culinary Arts Signature Program students prepare for the multi-faceted hospitality career industry in the award-winning Broadmoor Bistro, a restaurant and hospitality operation directed and executed by students in either the culinary arts or commercial baking program. Students must wear appropriate professional attire and may be required to purchase pants and shoes. ****District transportation is provided to CAA for culinary program classes offered during regular school hours, but transportation is not provided for evening classes. Students must wear appropriate professional attire and may be required to purchase pants and shoes.

	SMSD Career Pathways		
<i>Pathway: Restaurant & Event Management Pathway</i>	<i>Strand: Culinary Arts & Management</i>	<i>Strand: Event Planning & Management</i>	
Intro Level	Intro to Family & Consumer Sciences (taken in middle school)		
	Intro to Business (0.5)		
	Career & Life Planning (0.5)		
Technical Level	Focus on Foods (0.5)		
	Nutrition & Wellness (0.5)		
	Entrepreneurship (0.5)		
	Marketing Principles (1.0)		
	Advanced Foods (0.5)		Catering Management & Event Planning (2.0)
	Culinary Arts 1 (1.0)		
	Commercial Baking 1 (1.0)		
	Application Level	Table Service Internship (0.5)	
Intro to Restaurant Management (1.5)			
Culinary Arts 2 (1.0)			
Commercial Baking 2 (1.0)			
Applied Business Development (1.0)			

COMMERCIAL BAKING 1 (CAA)

6408 2 unit (2-hour block, full year) Enrollment Based 10, 11, 12

Prerequisite – None

This course is designed to introduce students to all facets of bread production, sweet dough, lean dough, and quick breads. Emphasis will be in scaling ingredients, kitchen math, and formula expansion. “6” Professional Learning Experiences are required for this class per semester. These will include opportunities at The Overland Park Farmers’ Market and special events both inside and outside of the school day. Students will use industrial equipment and will apply sanitation procedures to food production. Course cost is \$50.00 for consumables. District transportation is provided to the Center for Academic Achievement during normal class hours. Transportation for Professional Learning Experience outside the class day is not provided. Credit may be applied toward the minimum fine arts graduation requirement.

COMMERCIAL BAKING 2 (CAA)

6409 2 unit (2-hour block, full year) Enrollment Based 11, 12

Prerequisite – Commercial Baking 1 or Culinary Arts 1

This course offers students an introduction to European formulas and the opportunity to further develop bread production skills in commercial applications, production sales, and cost analysis. Continual emphasis in learning segments will be in scaling ingredients, kitchen math, and formula expansion. “6” Professional Learning Experiences are required for this class per semester. These will include opportunities at The Overland Park Farmers’ Market and special events both inside and outside of the school day. Students will use industrial equipment and will apply sanitation procedures to food production. Course cost is \$50.00 for consumables. District transportation is provided to the Center for Academic Achievement during normal class hours. Transportation for Professional Learning Experience outside the class day is not provided. Credit may be applied toward the minimum fine arts graduation requirement. This course may be repeated for credit.

CULINARY ARTS AND HOSPITALITY

A SIGNATURE PROGRAM AT CAA

CONTEMPORARY COMMUNICATIONS IN CULINARY ARTS (CAA)

1640 1/2 unit Enrollment Based 11,12

Prerequisite – ELA 2

Contemporary Communications provides students with a blended learning environment by which they explore fundamentals of effective communication in the 21st century while enrolled in Shawnee Mission Signature Program courses at the Center for Academic Achievement. Students develop and apply skills in personal communication including critical thinking, speaking, listening, and written communications linked to the Signature Programs of study of their interest. Students will participate in ongoing activities aligned to Kansas English Language Arts standards while enhancing content linked directly to the respective Signature Programs. A significant portion of the course is conducted via on-line assignments and communication. **This blended format requires students to be attentive to assignment deadlines and electronic communications from the instructor.** This course is repeatable for credit. ***This course does not meet NCAA eligibility requirements.**

CULINARY ARTS 1 (CAA)

6406 2 unit (2-hour block, full year) Enrollment Based 10,11,12

Prerequisite – None

This course offers students a practical introduction to culinary fundamentals, with a continual emphasis in learning. Segments will be in scaling ingredients, kitchen math, and formula expansion. Students will experience safe food handling, mise en place, stocks, sauces, soups, and vegetable cookery. A minimum "6" Professional Learning Experiences are required for this class per semester. These will include opportunities at The Bistro, Catering and Event Management, Guest Chef Mentor Series and special events both inside and outside of the school day. Students will use industrial equipment and will apply sanitation procedures to food production. Course cost is \$50.00 for consumables. District transportation is provided to the Center for Academic Achievement during normal class hours. Transportation for Professional Learning Experience outside the class day is not provided. Credit may be applied toward the minimum fine arts graduation requirement.

CULINARY ARTS 2 (CAA)

6407 2 unit (2-hour block, full year) Enrollment Based 11,12

Prerequisite – Culinary Arts 1 or Commercial Baking 1

This course offers students a practical introduction to advanced applications in culinary fundamentals. A continual emphasis in learning, segments will be in scaling ingredients, kitchen math, and formula expansion. Students will experience today's cooking trends, modernist cuisine, food science, special events and American Chef history. A minimum "6" Professional Learning Experiences are required for this class per semester. These will include opportunities at The Bistro, Catering and Event Management, Guest Chef Mentor Series and special events both inside and outside of the school day. Students will use industrial equipment and will apply sanitation procedures to food production. Course cost is \$50.00 for consumables. District transportation is provided to the Center for Academic Achievement during normal class hours. Transportation for Professional Learning Experience outside the class day is not provided. Credit may be applied toward the minimum fine arts graduation requirement. This course may be repeated for credit.

CATERING MANAGEMENT AND EVENT PLANNING 1 (CAA)

6457 1 unit (Full year-This course will require students to access online learning materials and will require the students to perform both on and off campus catering events.) Enrollment Based 10,11,12

Prerequisite – None

This is an open elective course to experience career paths in the hospitality-restaurant industry. No experience necessary! All students will experience the world of entrepreneurial adventures in the catering and event industry within the local community. This hands-on class will model running a variety of hospitality businesses in formal, informal, and theme food events, while learning standard operational procedures of accounting, food production, contract law, and business marketing principles. Industry learning events can be outside the normal school day. Uniforms provided. Industry certification is available at the end of the semester. Personal transportation may be required for those events. The course is a blend of hands-on classroom training, active event management, and virtual classroom instruction. Online virtual learning will be a mixture of live and recorded sessions. Credit may be applied toward the minimum fine arts graduation requirement. This course may be repeated for credit. **District transportation is not provided to Center for Academic Achievement for evening classes.**

This course will require students to access on-line learning materials and will require the students to perform both on and off campus catering events.

Event gratuity is shared with all student participants.

INTRODUCTION TO RESTAURANT MANAGEMENT (CAA)

6455 1 1/2 units (Full year, 10 hrs per week) Enrollment Based 10,11,12

Prerequisite – None

All students will experience Front of the House operations, Barista training, and Contemporary Farm to Table food production and menu development. In addition, students will be immersed in marketing and promotion, as well as entrepreneurial activities. The course is held two evening per week, Tuesday from 3:30pm – 7:00pm and Wednesday from 3:30pm - 10:00pm. This course can be repeated for credit. District transportation is provided to The Center for Academic Achievement for culinary program classes offered during regular school hours, but transportation is not provided for evening classes. Students will receive ProStart National Certificate of Achievement (COA) upon successful completion of the ProStart examination.

CULINARY ARTS AND HOSPITALITY

A SIGNATURE PROGRAM AT CAA

TABLE SERVICE INTERNSHIP (CAA)		Enrollment Based
6460	1/2 unit (1 semester, 9hrs/week)	10,11,12

Prerequisite – None

This class is a participative hands-on learning educational initiative in the Restaurant and Hospitality Industry. This “On The Job Training Internship” is available for any Shawnee Mission School District student that has an interest in acquiring employability and soft skills in the restaurant industry. Students will engage in all aspects of food and beverage service, table service, customer service, and Barista applications. Students receive all gratuities for service efforts throughout the course. The course is held two evenings per week, Tuesday from 4:00pm – 7:00pm (contingent upon special events) and Wednesday from 4:00pm - 10:00pm (contingent on reservations). This course can be repeated for credit. Students will receive ProStart National Certificate of Achievement (COA) upon successful completion of the ProStart examination. **District transportation is not provided to Center for Academic Achievement for evening classes.**

Event gratuity is shared with all student participants.

CULINARY ARTS / COMMERCIAL BAKING, INDEPENDENT STUDY (CAA)

	Enrollment Based
6998	1 unit (2-hour block per semester) 12

Prerequisite – Culinary Arts 2 / Commercial Baking 2 and teacher recommendation

Research and development activities are conducted individually under the supervision and direction of the teacher. This course is repeatable for credit.

ENGINEERING (PLTW®)

A SIGNATURE PROGRAM AT CAA

Project Lead The Way® Introduction to Engineering Design and Principles of Engineering are offered at each of the five Shawnee Mission high schools. Specialization courses, outlined on the following pages, are offered at the Center for Academic Achievement and are open to all high school students within the district. District transportation is provided from the students' home high schools to the Center for Academic Achievement and back to the home high school.

PLTW® introduces students to the scope and rigor of various engineering disciplines. There is a critical shortage of engineers and engineering technologists entering the profession at a time when technology is reinventing itself every few years. The number of jobs is increasing due to the surge in technical fields; however, today more than 1.3 million engineering-related jobs are left unfilled. The National Alliance for Pre-Engineering Programs developed PLTW® goals to increase the quality and quantity of young people who are pursuing engineering and engineering technology careers.

Project Lead the Way® helps students learn to work in teams to solve real-world problems. Training includes the use of state-of-the-art computer software and technology. In the capstone course, Engineering, Design and Development, students apply principles developed in previous PLTW® courses and are guided by community mentors. Students brainstorm possibilities, research current patents and regulations, construct working models, test the models in real-life situations, document their designs, and present and defend the design to a panel of experts.

PLTW® will participate with the Partnership Team comprised of representatives from higher education, engineering businesses, and the community. Members of the Partnership Team support the PLTW® curriculum, serve as mentors to student teams, and speak to students about engineering and technology.

College credit is available for some PLTW® courses, but should be tailored to the university to which the student is planning to attend.

A student who completes three of the Project Lead the Way® courses offered as of his/her graduation year will receive a transcript designation indicating that the student graduated with an emphasis in engineering.

SMSD Career Pathways

<i>Pathway: Engineering & Applied Mathematics</i>	<i>Strand: Engineering & Applied Mathematics</i>
Intro Level	Gateway to Technology - Automation & Robotics (taken in middle school)
	Gateway to Technology - Design & Modeling (taken in middle school)
	Computer Dimensions 2 (taken in middle school) <u>or</u> Microsoft Business Applications (0.5)
Technical Level	Introduction to Engineering Design (1.0)
	Principles of Engineering Design H (1.0)
	Robotics (1.0)
Application Level	Civil Engineering & Architecture H (1.0)
	Digital Electronics H (1.0)
	Aerospace Engineering H (1.0)
	Engineering Design & Development H (1.0)
	Advanced Concepts in CAD H (1.0)
	Environmental Sustainability (1.0)

ENGINEERING (PLTW®)

A SIGNATURE PROGRAM AT CAA

INTRODUCTION TO ENGINEERING DESIGN Enrollment Based
6769 1 unit 9,10,11,12

Prerequisite – Completion of or concurrent enrollment in Algebra 1

Students can dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and using an engineering notebook to document their work. Credit may be applied toward the minimum fine arts graduation requirement. This course is taught at all five high schools. Additional courses may be taken in the Project Lead the Way (PLTW®) Signature Program.

PRINCIPLES OF ENGINEERING (H) Enrollment Based
6784 1 unit 10,11,12

Prerequisite – Introduction to Engineering Design or Design 1, Introduction to Computer-Aided Design, concurrent enrollment in science, completion of or concurrent enrollment in Geometry or teacher recommendation

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Projects are integrated into all units of study. This course is taught at all five high schools.

AEROSPACE ENGINEERING (H) (CAA) Enrollment Based
6782 1 unit (2-hour block per semester) 10,11,12

Prerequisite – Introduction to Engineering Design recommended

Students are introduced to the world of aeronautics, flight, and engineering through hands-on, project-based activities. The course of study includes aerodynamics and aerodynamics testing, flight systems, astronautics, space life systems, aerospace materials, and systems engineering.

ADVANCED CONCEPTS IN COMPUTER AIDED DESIGN (H) (CAD) (CAA) Enrollment Based
6762 1 unit (2-hour block per semester) 11,12

Prerequisite – IED and CEA or Design 1 CAD

This course provides students an opportunity to advance their knowledge in either the mechanical or architectural field as it relates to CAD and computer modeling. Students will design and present a project with full documentation. It is an expectation that the student will become skilled enough to become certified in one software program of their choice. Autodesk certifications are a reliable validation of skill and knowledge, and can lead to accelerated professional development, improved productivity, and enhanced credibility. Students will also create a portfolio illustrating their skill and employability. Industry internships will be researched and sought for highly skilled students.

CIVIL ENGINEERING AND ARCHITECTURE (H) (CAA) Enrollment Based
6780 1 unit (2-hour block per semester) 10,11,12

Prerequisite – Introduction to Engineering Design recommended

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.

CONTEMPORARY COMMUNICATIONS IN ENGINEERING (CAA) Enrollment Based
1640 1/2 unit 11,12

Prerequisite – ELA 2

Contemporary Communications provides students with a blended learning environment by which they explore fundamentals of effective communication in the 21st century while enrolled in Shawnee Mission Signature Program courses at the Center for Academic Achievement. Students develop and apply skills in personal communication including critical thinking, speaking, listening, and written communications linked to the Signature Programs of study of their interest. Students will participate in ongoing activities aligned to Kansas English Language Arts standards while enhancing content linked directly to the respective Signature Programs. A significant portion of the course is conducted via on-line assignments and communication. **This blended format requires students to be attentive to assignment deadlines and electronic communications from the instructor.** This course is repeatable for credit.

***This course does not meet NCAA eligibility requirements.**

CYBERSECURITY (H) (CAA) Enrollment Based
6632 1 unit (2-hour block per semester) 10,11,12

Prerequisite – Computer Science Principles or Intro to Computer Programming or Digital Electronics

Students identify cybersecurity threats and protect against them; detect intrusions and respond to attacks; begin to examine their own digital footprint and better defend their own personal data; and learn how organizations protect themselves in today's world. Whether seeking a career in the growing field of cybersecurity or learning to defend a company's data, students in Cybersecurity establish an ethical code of conduct while learning to defend data in today's complex cyberworld. This course, offered as part of the PLTW® pathway, brings together the strands of computer science and engineering.

DIGITAL ELECTRONICS (H) (CAA) Enrollment Based
6785 1 unit (2-hour block per semester) 10,11,12

Prerequisite – Introduction to Engineering Design recommended

From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. Students will develop, test, and analyze their own digital circuitry designs.

ENGINEERING (PLTW®)

A SIGNATURE PROGRAM AT CAA

ENGINEERING DESIGN AND DEVELOPMENT (H) (CAA)

Enrollment Based

6783 1 unit (2-hour block per semester) 12

Prerequisite - IED and at least two other PLTW® courses

The knowledge and skills students acquire throughout Project Lead the Way® Engineering come together in Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career.

ENVIRONMENTAL SUSTAINABILITY

Enrollment Based

4140 1/2 unit at each high school 11,12

Prerequisite – Recommended: Introduction to Engineering Design

Students will investigate and design solutions to solve real-world challenges related to clean drinking water, a stable food supply, and renewable energy. Students will be introduced to environmental issues and use the engineering design process to research and design potential solutions. Using problem-based learning, students will solve open-ended projects and problems that will require them to develop planning, documentation, communication, and other professional skills.

ROBOTICS

Enrollment Based

6773 1 unit 10,11,12

Prerequisite – None

This course is offered at all the comprehensive high schools. This course teaches students the engineering/design process to introduce students to the many facets of robotics through research, projects and hands-on robot development using a variety of different platforms. Students progress at their own pace, while studying and performing tasks independently and in small groups. Students will also learn to program complex systems to perform a variety of interesting and useful tasks for competition. This course is repeatable for credit.

INTERNATIONAL BACCALAUREATE

A SIGNATURE PROGRAM AT SME, SMN AND SMNW

The International Baccalaureate (IB) Program is a two-year, college preparatory program with a comprehensive curriculum designed to address the needs of academically driven, challenge-seeking students. Upon successful completion of the diploma program, including achievement of the requisite diploma points, students may earn the IB diploma, which is recognized throughout the world by universities and colleges. Universities and colleges often offer advanced standing, preferential admission, and financial benefits to diploma earners.

To earn a diploma, students must attain a satisfactory composite score on an extended essay, a Theory of Knowledge course, the Creativity, Activity and Service component, and a course in each of six academic groups: English, World Language, History, Science, Math, and Arts and other electives. Three of the courses must be higher level (HL) and three standard levels (SL), which is dictated by curriculum. Most courses are two years in length, but all courses require a concluding assessment. Students who wish to participate in IB but not obtain a diploma can take individual classes for recognition via certificate.

The IB program provides the knowledge and critical-thinking skills students require to compete in a global context. Desired outcomes of the program include students who are inquirers, knowledgeable, thinkers, communicators, principled, open-minded, caring, risk-takers, balanced, and reflective. To prepare for this endeavor, a student should enroll in challenging classes as a freshman and a sophomore.

The current fee for course testing is \$119.00 (2019-2020). Fees are subject to change based upon the fee structure established by the International Baccalaureate Organization. The candidate subject fee is paid for each assessed subject taken by an individual student. There is no fee for the reflective project. An additional late fee will be incurred for a DP subject registration, reflective project registration or amendment for a subject, level or language after the first registration deadline. The late fee increases again after the second deadline.

For further information, please visit <http://signature.smsd.org/ib/pages/default.aspx>.

IB Course Selection

SL = Standard Level HL = High Level (H) = Honors Credit

Courses offered at all three high schools except when noted.

E=East; N= North; NW=Northwest

Group 1: Language A: Literature		
Course#	Course Title	Grade
1155	IB English HL1 (H)	11
1633	IB English HL2 (H)	12
Group 2: Language B: Literature		
Course#	Course Title	Grade
5151	Latin 3 SL E; NW	11
5152	Latin 4 SL (H) E; NW	12
5118	German 3 SL NW	11
5119	German 4 SL (H) NW	12
5404	Japanese 3 SL NW	11
5406	Japanese 4 SL (H) NW	12
5031	IB French 3	11
5067	IB French 4 SL E	11,12
5068	IB French 5 1/HL 1 (H)	11,12
5069	IB French 6 2/HL 2 (H)	11,12
5181	IB Spanish 3	11
5222	IB Spanish 4 SL	11,12
5223	IB Spanish 5 SL (H)	11,12
5224	IB Spanish 6 SL (H)	12
5225	IB Spanish 5 1/HL 1 (H) SME	11,12
5226	IB Spanish 5 1/HL 1 (H) SME	12

Group 3: Individuals and Society		
Course#	Course Title	Grade
3393	IB History HL 1 (H)	11
3394	IB History HL 2 (H) -- European NW	12
3168	IB History HL 1 (H) -- History of the Americas	11
3169	IB History HL 2 (H) -- History of the Americas (.5) SMN / SME (1.0) SMNW	12
3191	Honors American Gov. for IB students (.5)	12
	IB Psychology (see group 6)	
Group 4: Experimental Science		
Course#	Course Title	Grade
4260	IB Astronomy SMNW	12
4152	IB Biology HL 1 (H)	11
4153	IB Biology HL 2 (H)	12
4172	IB Chemistry SL 1 (H)	11
4173	IB Chemistry SL 2 (H)	12
4174	IB Environmental Systems and Societies SL SMN	11, 12
4218	IB Physics SL 1 (H)	11
4219	IB Physics SL 2 (H)	12
3362	IB Psychology SL (H) N, NW	11,12
3363	IB Psychology HL 1 (H)	11
3364	IB Psychology HL 2 (H)	12
Group 5: Mathematics		
Course#	Course Title	Grade
2073	IB Math Applications and Interpretation SL 1	11
2074	IB Math Studies SL 2	12
2071	IB Math Analysis and Approaches SL 1 (H)	11,12

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2072	IB Math SL 2 (H)	12
2075	IB Math Analysis and Approaches HL 1 (H)	11
2076	IB Math HL 2 (H)	12
Group 6: The Arts and Electives		
Course#	Course Title	Grade
7637	IB Visual Arts SL1 (H) E	11
7644	IB Visual Arts SL 2 (H) E	12
7641	IB Visual Arts SL (H) NW	11,12
7642	IB Visual Arts HL 1 (H) E, NW	11
7643	IB Visual Arts HL 2 (H) E, NW	12
8176	IB Dance SL 1 E	11
8177	IB Dance SL 2 E	12
7311	IB Music SL (H)	11,12
7284	IB Music HL 1 (H) E, NW	11
7285	IB Music HL 2 (H) E, NW	12
7286	IB Film Studies SL N, NW	11,12
7287	IB Film Studies HL (H) N, NW	11
7288	IB Film Studies HL 2 (H) N, NW	12
Additional Requirements of the IB Diploma		
Course#	Course Title	Grade
3602, 3603	IB Theory of Knowledge	11
3604	IB Theory of Knowledge	12
	Extended Essay	11,12
	CAS	11,12

Group 1, Language A

IB ENGLISH HL 1 (H) Enrollment Based
1155 1 unit 11

Prerequisite – English 10 (H) is recommended

IB ENGLISH HL 2 (H) Enrollment Based
1633 1 unit 12

Prerequisite – IB English 11 (H)

This is a two-year course designed to give students an appreciation and understanding of the English language and literature, as well as translated works from other countries. Students will analyze literature and draw connections among literary works and develop an appreciation of the works and the authors. In addition, students will structure ideas and arguments in a logical, sustained, and persuasive manner.

Group 2, Language B

IB LATIN 3 SL Enrollment Based
5151 1 unit 11

Prerequisite – Latin 2

IB LATIN 4 SL (H) Enrollment Based
5152 1 unit 12

Prerequisite – IB Latin 3 SL

This two-year course sequence offers an advanced study of Latin literature, culture, and history. Authentic prose and poetry by various authors are read

and analyzed for technique and style. Students will study classical civilization, myths, legends, religion, history, government, social behavior, the arts, and architecture. Students will prepare for all IB assessments. Students enrolled in Latin 4 SL (H) may be eligible for JCCC credit (College Now).

IB GERMAN 3 SL Enrollment Based
5118 1 unit 11,12

Prerequisite – German 2

IB GERMAN 4 SL (H) Enrollment Based
5119 1 unit 12

Prerequisite – German 3 SL

This course sequence reviews the basic structures of the language with further study of the more technical details. Students will be able to communicate in a range of situations, both written and spoken, and handle the language grammar and syntax accurately in a manner appropriate to cultural and social context.

IB JAPANESE 3 SL Enrollment Based
5404 1 unit 11,12

Prerequisite – Japanese 2

IB JAPANESE 4 SL (H) Enrollment Based
5406 1 unit 12

Prerequisite – Japanese 3 SL

This course sequence reviews the basic structures of the language with further study of the more technical details. Students will be able to communicate in a range of situations, both written and spoken, and handle the language grammar and syntax accurately in a manner appropriate to cultural and social context.

IB FRENCH 3 Enrollment Based
5031 1 unit 11

Prerequisite – French 2

French 3 IB emphasizes oral and written language through the continued study of conversation, writings, readings, grammar, and vocabulary. Students increase their knowledge of the French-speaking world, which helps them to better understand their own culture. Active use of the language in the classroom is encouraged, with a view toward the oral section of the IB examination. NOTE: Study of the language is highly recommended starting in middle school.

IB FRENCH 4 SL Enrollment Based
5067 1 unit 11,12

Prerequisite – French 3

IB FRENCH 5 (H) Enrollment Based
5068 1 unit 11,12

Prerequisite – French 4 SL

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IB FRENCH 6 (H)		Enrollment Based
5069	1 unit	12

Prerequisite – French 5 SL

A sequence of two of the three standard level (SL) courses completes review of the basic structures of the language with further study of the more complex structures and technical details. Students will be able to communicate in a range of situations, both written and spoken, and handle the language, grammar, and syntax accurately in a manner appropriate to cultural and social context. Students enrolled in French 4 and French 5 SL may be eligible for JCCC credit (College Now). NOTE: Study of French is highly recommended starting in middle school.

IB SPANISH 3		Enrollment Based
5181	1 unit	11

Prerequisite – Spanish 2

Spanish 3 IB emphasizes oral and written language through the continued study of conversation, writings, readings, grammar, and vocabulary. Students increase their knowledge of the Spanish-speaking world which helps them to better understand their own culture. Active use of the language in the classroom is encouraged for preparation for the oral component of the IB examination. NOTE: Study of the language is highly recommended starting in middle school.

IB SPANISH 4 SL		Enrollment Based
5222	1 unit	11, 12

Prerequisite – Spanish 3

IB SPANISH 5 SL (H)		Enrollment Based
5223	1 unit	11, 12

Prerequisite – Spanish 4 SL

IB SPANISH 6 SL (H)		Enrollment Based
5224	1 unit	12

Prerequisite – Spanish 5 SL

This course sequence reviews the structure of the language with further study of the more technical details. Upon completion, students will be prepared to communicate in a range of situations, written and spoken. They also will be able to handle the language, grammar, and syntax accurately in a manner appropriate to cultural and social context. NOTE: Study of Spanish is highly recommended starting in middle school. Students enrolled in Spanish 4 and Spanish 5 SL may be eligible for JCCC credit (College Now)

Group 3, Individuals and Society

IB HISTORY HL 1 (H) – EUROPEAN		Enrollment Based
3393	1 unit	11

Prerequisite – US History

IB HISTORY HL 2 (H) – EUROPEAN		Enrollment Based
3394	1 unit	12

Prerequisite – IB History HL 1 (H)

This course sequence focuses on international relations of the 20th century and the major events impacting the structure of the 20th century world. The regions of Europe and the Middle East are the primary focus. Students will learn how to analyze and evaluate historical evidence and current political and social events.

IB HISTORY OF THE AMERICAS HL 1 (H)		Enrollment Based
3168	1 unit	11

Prerequisite – European History AP is strongly recommended

Over the two years, students will cover all of United States history, and will also focus on history of Canada, and some of Latin America. They will also explore America's role in international events in the 20th century, with emphasis on peacemaking between the world wars, the Cold War, and America's changing roles. In addition, they will be trained in examining historical documents, to prepare them for the HL exam at the end of the second year.

IB HISTORY OF THE AMERICAS HL 2 (H)		Enrollment Based
3169 SMN SME	1/2 unit	12
3169 SMNW	1 unit	12

Prerequisite – IB History of the Americas 1 (H)

This course focuses on America's history since 1900, and emphasizes the roles of single party states, wars, and the Cold War period in 20th century world issues. In conjunction with the junior year course, the students cover all of the U.S. history graduation requirement. At the conclusion of the year, students are prepared for the higher level Group 3 IB examinations.

IB PSYCHOLOGY SL (H)		Enrollment Based
3362	1 unit	11, 12

Prerequisite – None

This course focuses on the systematic study of human thinking, behavior, and experience. Students will interpret and conduct research, examine ethical issues, and develop an understanding of the different levels of analysis and influences on human behavior. Students will study three core levels of analysis (biological, cognitive, and learning) as well as one study option on Abnormal Psychology.

IB PSYCHOLOGY HL 1 (H)		Enrollment Based
3363	1 unit	11

Prerequisite – None

IB PSYCHOLOGY HL 2 (H)		Enrollment Based
3364	1 unit	11, 12

Prerequisite – IB Psychology SL / HL 1 (H)

Students will study human thinking, behavior, and experience. This course will expand upon the levels of analysis of the standard level course through study of qualitative research methods. Students will study an additional option on Developmental Psychology. The course provides the opportunity to compare thinking and behavior among different cultures as well as examining research from other countries.

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IB HONORS AMERICAN GOVERNMENT for IB Students (H)

Enrollment Based
3191 SMN SME 1/2 unit 12

Prerequisite – IB History of the Americas HL 1(H)

The content in the American Government portion of the IB program allows students to earn the required credit for graduation. This course focuses on the three branches of government, with special emphasis on civil liberties and civil rights. This course builds on the junior year introduction of the creation of the U.S. Constitution and government.

Group 4, Experimental Sciences

IB ASTRONOMY SL

Enrollment Based
4260 SMNW 1 unit 11,12

Prerequisite – Algebra 2

Students will explore the scientific, historic and social aspects of the human endeavor to understand the universe and our place in it. Students will trace the major historical milestones in developing a model of the solar system, current scientific tools employed in the study of the solar system, and the physical characteristics of major bodies in the solar system. Expanding to larger scales, the course will explore the vast expanse of the universe from individual stars to clusters of galaxies while investigating such topics as stellar classification, stellar evolution and cosmology. The major tool of astronomy, the electromagnetic spectrum and its detection, will also be examined and utilized. Experimental, computer modeling and data analysis skills will be developed and emphasized.

IB BIOLOGY HL 1(H)

Enrollment Based
4152 1 unit 11

Prerequisite – Chemistry 1

IB BIOLOGY HL 2(H)

Enrollment Based
4153 1 unit 12

Prerequisite – IB Biology HL 1(H)

This two-year course sequence enables students to communicate and collaborate on biological concerns of global importance. Students will enhance experimental and investigative skills using appropriate technology. Analysis, evaluation, and synthesis of scientific information will occur. Scientific disciplines will be integrated to provide students with a functional understanding of living systems.

IB CHEMISTRY SL 1 (H)

Enrollment Based
4172 1 unit 11

Prerequisite – Algebra 2 and Biology 1

IB CHEMISTRY SL 2 (H)

Enrollment Based
4173 1 unit 12

Prerequisite – IB Chemistry SL 1 (H)

These courses are designed to provide students with an understanding of chemical processes and their applications universally. Students will develop scientific, experimental, investigative, and technological skills specific to chemistry. Individual creativity and collaboration will be stressed as students synthesize scientific information and become more cognizant of the social, ethical, and environmental implications of science as a field.

IB ENVIRONMENTAL SYSTEMS AND SOCIETIES SL

Enrollment Based
4174 1 unit 11,12

Prerequisite – Environmental Education 1

The course provides students with a coherent perspective of the interrelationships between environmental systems and societies. This perspective enables students to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. Students will be challenged to evaluate the scientific, ethical, and socio-political aspects of these issues.

IB PHYSICS 1 SL (H)

Enrollment Based
4218 1 unit 11

Prerequisite – The successful completion of Precalculus or concurrent enrollment in College Algebra/ Trig

IB PHYSICS 2 SL (H)

Enrollment Based
4219 1 unit 12

Prerequisite – IB Physics SL 1 (H) 1

This two-year course sequence exposes students to this most fundamental experimental science, which seeks to explain the universe itself—from the very smallest particles to the vast distances between galaxies. Physics SL focuses on providing opportunities for scientific study within a global context that will stimulate and challenge students. This class will feature a broad treatment of major physics concepts from an experimental, theoretical and practical application viewpoint. Topics of investigation include motion and the forces that affect motion, energy and its interaction with matter, thermodynamics, waves, electricity, fields and forces, atomic and nuclear physics, and environmental physics. Additional optional topics can include relativity, engineering physics, astrophysics and imaging.

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Group 5, Mathematics

IB MATH APPLICATIONS AND INTERPRETATION SL 1

2073 1 unit Enrollment Based 11

Prerequisite – Geometry or teacher recommendation

IB MATH STUDIES SL 2

2074 1 unit Enrollment Based 12

Prerequisite – IB Math Studies 1 SL 1

This course sequence emphasizes an approach to mathematics with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. Topics include linear, quadratic and exponential functions, set theory and logic, sequences, statistics, linear programming, vectors, matrices, and trigonometry. Students develop the skills needed to address the mathematical demands of a technological society.

IB MATH ANALYSIS AND APPROACHES SL 1 (H)

2071 1 unit Enrollment Based 11,12

Prerequisite – Algebra 2, Algebra 2 (H) recommended

IB MATH SL 2 (H)

2072 1 unit Enrollment Based 12

Prerequisite – IB Math 1 SL 1

This two-year course sequence emphasizes an approach to mathematics with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. Topics include quadratic, exponential and logarithmic function, vectors, matrices, statistics, trigonometry, limits, differential and integral calculus.

IB MATH ANALYSIS AND APPROACHES HL 1

2075 1 unit Enrollment Based 11

Prerequisite – Precalculus (H) recommended

IB MATH HL 2 (H)

2076 1 unit Enrollment Based 12

Prerequisite – IB Math HL 1 (H)1

This two-year course sequence emphasizes an approach to mathematics with concepts, results, and problems expressed geometrically, numerically, analytically, and verbally. Students will use technology to support conclusions drawn to solve mathematical applications. Topics include applications of functions, statistics, vectors, limits, differential and integral calculus, discrete mathematics, proof by mathematical induction, linear algebra and differential equations.

Group 6, The Arts & Electives

IB VISUAL ARTS SL 1 (H)

7637 1 unit Enrollment Based 11

Prerequisite – Teacher recommendation

IB VISUAL ARTS SL (H)

7641 1 unit Enrollment Based 11

Prerequisite – Teacher recommendation

IB VISUAL ARTS SL 2 (H)

7644 1 unit Enrollment Based 12

Prerequisite – IB Visual Arts SL 1

Visual arts courses are designed to provide students the opportunity to express themselves visually while maintaining creative control over their course through personal exploration guided by their instructor. The student will learn to explore cultural and contemporary media as well as identify and acknowledge past masters. Students will critique and reflect on all work and acquire sufficient vocabulary and skill to engage in discussions on aesthetics and the value of art. Students desiring a one year SL are prepared to test at the conclusion of SL 1.

IB VISUAL ARTS HL 1 (H)

7642 1 unit Enrollment Based 11

Prerequisite – Teacher recommendation

IB VISUAL ARTS HL 2 (H)

7643 1 unit Enrollment Based 12

Prerequisite – IB Visual Arts HL 1 (H)

Visual arts courses are designed to provide students the opportunity to express themselves visually while maintaining creative control over their course through personal exploration. The student will learn to explore cultural and contemporary media as well as identify and acknowledge past masters. Students will critique and reflect on all work and acquire sufficient vocabulary and skill to engage in discussions on aesthetics and the value of art.

IB Dance SL 1(SME)

8176 1 unit Enrollment Based 11

Prerequisite – Must be a Lancer Dancer

IB Dance SL 2 (SME)

8177 1 unit Enrollment Based 12

Prerequisite – Must be a Lancer Dancer

This select dance group will build dance knowledge and skills in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills and connection to other IB courses. Emphasis will be on creating, performing, and responding to different cultures, traditions and histories of dance.

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IB MUSIC SL (H)	Enrollment Based
7311	11, 12
1 unit	

Prerequisite – Teacher recommendation

IB MUSIC HL 1 (H)	Enrollment Based
7284	11
1 unit	

Prerequisite – Teacher recommendation

IB MUSIC HL 2 (H)	Enrollment Based
7285	12
1 unit	

Prerequisite – IB Music HL 1 (H)

This course or course sequence is designed for music students with varied backgrounds in music performance, either solo and/or group performers. The aim of the IB music program is to give students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities, and understanding through performance and composition. Students will be expected to demonstrate their understanding of music by using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods, and by exploring their own composition writing. All IB students must take this course in conjunction with one of the school's large ensembles (Band, Orchestra, or Choir). If a student is not a member of one of the ensembles, they need to check with the IB Music teacher to make sure they have a way to fulfill the performance requirement of the IB Music Course.

IB FILM STUDIES SL	Enrollment Based
7286	11, 12
1 unit	

Prerequisite – None

Students will gain skills in both interpreting and making films. Students will study film history and theory enabling them to develop an appreciation of the art of film. In addition, students will learn technical skills in the art of film making. Students will work individually and in groups to demonstrate their knowledge and technical skills as well as their creativity. The IB requirements for this course are an oral presentation, a 1500 word essay, and a creation of a short film. Some after school work is required. Credit in this course may be applied toward the minimum fine arts graduation credit requirement.

IB FILM STUDIES HL 1	Enrollment Based
7287	11
1 unit	

Prerequisite – None

IB FILM STUDIES HL 2	Enrollment Based
7288	12
1 unit	

Prerequisite – IB Film Studies HL 1

Students will develop creative skills, theoretical understanding, and textual analysis of films. Students will study film history and theory enabling them to develop an appreciation of the art of film. In addition, students will learn technical skills in the art of film making. Students will work individually and in groups to demonstrate their knowledge and technical skills as well as their creativity. The IB requirements for this course are an oral presentation, a 1750 word essay, and a creation of a short film with an accompanying trailer. Some after school work is required. Credit in this course may be applied toward the minimum fine arts graduation requirement.

Additional Requirements of the IB Diploma

IB THEORY OF KNOWLEDGE	Enrollment Based
3602, 3603	11
1/2 unit	

Prerequisite – Concurrent enrollment in IB diploma program

IB THEORY OF KNOWLEDGE	Enrollment Based
3604	12
1/2 unit	

Prerequisite – Concurrent enrollment in IB diploma program

This interdisciplinary course challenges students to reflect critically on diverse areas of knowledge and to consider the role which knowledge plays in a global society. The course encourages students to become aware of themselves as thinkers, to become aware of the complexities of knowledge, and to recognize the need to act responsibly in an increasingly interconnected world. The aim of this program is to engage students in reflection on, and in the questioning of, the bases of knowledge. The course is designed to be taken over a two-year period for a total of 1 unit of credit.

EXTENDED ESSAY	11, 12
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The extended essay is a requirement for students to engage in independent research through an in-depth study of a question relating to one of the subjects they are studying. This is completed over the junior and senior year with the assistance of an academic mentor.

CAS	11, 12
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Creativity, action, service requires that students actively learn from the experience of doing real tasks beyond the classroom. Students can combine all three components or do activities related to each one of them separately. The CAS requirement is completed over both years of the IB Program.

MEDICAL HEALTH SCIENCE

A SIGNATURE PROGRAM AT CAA

The Medical Health Science signature courses are offered at the Center for Academic Achievement except for the exploring medical health careers course, which is offered at each high school. The advanced courses outlined in this program are offered at the Center for Academic Achievement and are open to all high school students within the district.

District transportation is provided from the students' home high schools to the Center for Academic Achievement and back to the home high school.

Within the Medical Health Science Signature Program, students are able to select a Plan of Study that fits best with future postsecondary and career goals. Upon successful completion of the Plan of Study, a designation on the official transcript will be made indicating an emphasis of coursework in Pre-Medical Studies or Professional Health Studies.

SMSD Career Pathways			
<i>Pathway: Health Science</i>	<i>Strand: Medical Science</i>	<i>Strand: Sports Medicine</i>	<i>Strand: CNA</i>
Intro Level	Exploring Medical Health Careers (1.0)		
Technical Level	Medical Health Science 1 (1.0)		
	Human Anatomy & Physiology (1.0)		
	Nutrition & Wellness (0.5)	Sports Medicine 1 (1.0)	
Application Level	Medical Health Science 2 (3.0)	Sports Medicine 2 (1.0)	Certified Nursing Assistant (1.0)
	Forensic Science 1 (0.5)	Sports Medicine 3 (1.0)	
	Forensic Science 2 (0.5)		

CERTIFIED NURSING (CNA) (CAA) Enrollment Based
4150 1 unit (2-hour block per semester) 12

Prerequisite – Medical Science 1, minimum completion of 80%, Human Anatomy & Physiology, minimum completion of 70%, teacher recommendation

Prepares students to perform routine nursing-related services to patients in hospitals or long-term care facilities, under the training and supervision of an approved instructor. Successful course completion includes eligibility to take the state exam to obtain certification as a nurse aide in Kansas.

Medical Science 2 students are PM enrollment only.

CONTEMPORARY COMMUNICATIONS IN MEDICAL HEALTH (CAA) Enrollment Based
1640 1/2 unit 11,12

Prerequisite – ELA 2

Contemporary Communications provides students with a blended learning environment by which they explore fundamentals of effective communication in the 21st century while enrolled in Shawnee Mission Signature Program courses at the Center for Academic Achievement. Students develop and apply skills in personal communication including critical thinking, speaking, listening, and written communications linked to the Signature Programs of study of their interest. Students will participate in ongoing activities aligned to Kansas English Language Arts standards while enhancing content linked directly to the respective Signature Programs. A significant portion of the course is conducted via on-line assignments and communication. **This blended format requires students to be attentive to assignment deadlines and electronic communications from the instructor.** This course is repeatable for credit. ***This course does not meet NCAA eligibility requirements.**

EXPLORING MEDICAL HEALTH SCIENCE CAREERS Enrollment Based
4149 1 unit (2-hour block per semester) 10,11,12

1 unit (1-hour block, 2 semesters)

Prerequisite – None

This course is designed to develop an understanding of professions in health care-related fields. Students will investigate career options and corresponding educational requirements. Students explore the entire scope of health career opportunities and compare the demands of specific careers to individual personality traits and strengths. Students examine and practice skills related to professional success, including concepts of teamwork, critical thinking and problem-solving, communication, and employability. Advances in the healthcare industry are also explored. Instruction includes presentations by healthcare professionals. This course may not be applied to the minimum graduation requirement in science. **This course is taught at all five high schools.**

HEALTHCARE CREDENTIALING (CAA) Enrollment Based
4516 1 unit (2-hour block per semester) 11,12

Prerequisite – Exploring Medical Health Science Careers

Students will work toward various credentials for high-demand health-care occupations. Possible credentials include Pharmacy Technician (CPH), EKG Technician (CET), Phlebotomy Technician (CPT), and Medical Assistant (CCMA).

MEDICAL HEALTH SCIENCE

A SIGNATURE PROGRAM AT CAA

MEDICAL HEALTH SCIENCE 1 (CAA) Enrollment Based
4146 1 unit (2-hour block per semester) 11,12

Prerequisite – Biology 1 and Exploring Medical Health Science Careers

Medical terminology, the language of health care providers, is the primary focus of Medical Science 1. Students will be immersed in language formation through development and application of technical skills, medical case studies, review articles and investigation of the impact of diseases and disorders on various body systems.

MEDICAL HEALTH SCIENCE 2 (H) (CAA) Enrollment Based
4138 3 units (3-hour block, 2 semesters) 12

Prerequisite – Completion of Medical Science 1 with a minimum grade of 80%, Human Anatomy and Physiology with a minimum grade of 70%, application and interview required.

In this capstone course of the Medical Science Signature Program, students participate in clinical observation within specialty areas related to post-secondary interests. Interaction with health care providers in diverse environments provide real-world, experienced-based learning opportunities. Daily experiences offer insight to specific job demands, necessary communication skills and professional protocol. Students will provide personal transportation to clinical sites. Through clinical experience, students will develop leadership skills, hone public speaking skills and develop a professional portfolio. Upon completion of the course students will be prepared for an entry-level position in one of several health care arenas including: Certified Nurse Aide, First Responder [with successful exam completion] or Animal Science [with successful internship completion]. Course cost is \$20.00.

SPORTS MEDICINE 1 (CAA) Enrollment Based
4510 1 unit, (2-hour block Spring semester PM only) 11,12

Prerequisite – Completion of Medical Science 1 with minimum completion of 80%

Provides students an overview of the specialized health care needed in the wide world of sports and physical activity. Students will learn what sports medicine is and the multidisciplinary approach to athletic health care. The course will continue development of body systems and response to injury in addition to the physical and mental demands of physical activity at all levels. The students will be introduced to such things as kinesiology, bleeding and shock, the bones and soft tissue, the foot, ankle, and lower leg, the knee, the hip and pelvis, the elbow, wrist, and hand, the shoulder, the chest and abdomen, the head and face, the spine, and lastly special considerations in athletes.

SPORTS MEDICINE 2 (CAA) Enrollment Based
4512 1 unit, (2-hour block Spring semester PM only) 12

Prerequisite – Sports Medicine 1

Topics to be covered are the central training room, the athletic student-aid program, emergency preparedness, injury game plan, pre-participation physical exam, rehabilitation and preseason conditioning, nutrition and the athlete, dietary supplements, performance enhancers, sports psychology, assessment and evaluation of sports injuries, therapeutic physical modalities, and proper taping and wrapping. This course allows students to collaborate with medical professional in the community pertaining to sports medicine. These interactions are designed for students who have a serious interest in pursuing a career in the sports medicine field. District transportation is not provided for off-site clinical opportunities.

SPORTS MEDICINE 3 (CAA) Enrollment Based
4514 1 unit, (2-hour block Spring semester PM only) 12

Prerequisite – Sports Medicine 2

The capstone course of the Sports Medicine strand provides students with Professional Learning Experiences (PLE) to gain extensive knowledge of health/wellness professionals in private/public industry, community organizations, and health care settings, as well as job opportunities, wage, and duties. Students will gain extensive knowledge in selected areas of health care, specific occupations, skills sets, educational requirements, credentials/licensure, and daily routines by participating in Job Shadows or Internships. This class includes instruction in specific skill sets related to health occupations, research on emerging trends, exploration of daily routines, understanding code of ethics, patient rights, standards and regulations, safety, and legal requirements. District transportation is not provided to off-site work experiences.

PROJECT BLUE EAGLE

A SIGNATURE PROGRAM AT ALL SHAWNEE MISSION HIGH SCHOOLS

Advanced Courses are offered at the Career and Technical Campus (CTC) and district transportation is provided to CTC with return transportation to the home high school.

SMSD Career Pathways	
<i>Pathway: Health Science</i>	<i>Strand: EMT/EMR</i>
Intro Level	Intro to Public Safety (.05)/Blue Eagle Academy (.05)
Technical Level	EMS 1 (0.5)
Application Level	EMS 2 (1.0)

EMERGENCY MEDICAL TECHNICIAN, EMT

BLUE EAGLE ACADEMY	Enrollment Based
6610	1/2 unit 9,10,11,12

Prerequisite – None

This course is an introductory examination of the public safety career fields and their foundational skills and knowledge standards. Students will learn and practice the fundamental skills and concepts important to the public safety professions. The course is designed to provide the information and experiences necessary for students to determine their future in the program. Successful completion of the Basic Academy is required for those who wish to enroll in Fire Science I, Law Enforcement I, or Emergency Medical Services 1. This course counts toward SMSD social studies elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission.

CONTEMPORARY COMMUNICATIONS IN EMT (CTC)	Enrollment Based
1640	1/2 unit 11,12

Prerequisite – ELA 2

Contemporary Communications provides students with a blended learning environment by which they explore fundamentals of effective communication in the 21st century while enrolled in Shawnee Mission Signature Program courses at the CTC. Students develop and apply skills in personal communication including critical thinking, speaking, listening, and written communications linked to the Signature Programs of study of their interest (i.e. EMT studies). Students will participate in ongoing activities aligned to Kansas English Language Arts standards while enhancing content linked directly to the respective Signature Programs. A significant portion of the course is conducted via on-line assignments and communication. **This blended format requires students to be attentive to assignment deadlines and electronic communications from the instructor.** This course is repeatable for credit.

***This course does not meet NCAA eligibility requirements.**

EMERGENCY MEDICAL SERVICES 1 (EMS1)	Enrollment Based
6620	1 unit (2-hour block per semester) 10,11,12

Prerequisite – Blue Eagle Academy / Introduction to LPSS

This course is a general course in the principles of emergency first response, from arrival to transport. It is also geared to teach the basics of first aid, with emphasis on stabilization and transport, if necessary. Cardio Pulmonary Resuscitation (CPR) and the use of Automatic Defibrillators will be a major part of the course with certification upon completion.

EMERGENCY MEDICAL SERVICES 2 (EMS2)	Enrollment Based
6628	2 units (2 hour, full year) 11,12

Prerequisite – Blue Eagle Academy / Introduction to LPSS

This course builds upon the skills acquired in EMS 1. The student will receive both didactic and psychomotor skills training in CPR, patient assessment, fracture management, airway management and trauma management. Students will participate in realistic medical emergency scenarios with actors playing life-like patients and bystanders as well as field internship shifts with local agencies. Successful completion of this course with a minimum grade of "C" will enable the student to sit for the Emergency Medical Responder (EMR) certification exam at JCCC, and have the potential to enroll in the spring Emergency Medical Technician course at JCCC.

PROJECT BLUE EAGLE

A SIGNATURE PROGRAM AT ALL SHAWNEE MISSION HIGH SCHOOLS

Advanced Courses are offered at the Career and Technical Campus (CTC) and district transportation is provided to CTC with return transportation to the home high school.

SMSD Career Pathways

<i>Pathway: Fire</i>	<i>Strand: Fire</i>
Intro Level	Intro to Public Safety (.05) /Blue Eagle Academy (.05)
Technical Level	Fire Science 1 (1.0)
	HAZMAT for First Responders 1 (1.0)
Application Level	Fire Science 2 (1.0)
	Wild Land Firefighting (0.5)

FIRE SCIENCE COURSE DESCRIPTIONS

BLUE EAGLE ACADEMY	Enrollment Based
6610	1/2 unit
	9, 10, 11, 12

Prerequisite – None

This course is an introductory examination of the public safety career fields and their foundational skills and knowledge standards. Students will learn and practice the fundamental skills and concepts important to the public safety professions. The course is designed to provide the information and experiences necessary for students to determine their future in the program. Successful completion of the Basic Academy is required for those who wish to enroll in Fire Science I, Law Enforcement I, or Emergency Medical Services 1. This course counts toward SMSD social studies elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission.

CONTEMPORARY COMMUNICATIONS IN FIRE SCIENCE (CTC)	Enrollment Based
1640	1/2 unit
	11, 12

Prerequisite – ELA 2

Contemporary Communications provides students with a blended learning environment by which they explore fundamentals of effective communication in the 21st century while enrolled in Shawnee Mission Signature Program courses at the CTC. Students develop and apply skills in personal communication including critical thinking, speaking, listening, and written communications linked to the Signature Programs of study of their interest. Students will participate in ongoing activities aligned to Kansas English Language Arts standards while enhancing content linked directly to the respective Signature Programs. A significant portion of the course is conducted via on-line assignments and communication. **This blended format requires students to be attentive to assignment deadlines and electronic communications from the instructor.** This course is repeatable for credit. ***This course does not meet NCAA eligibility requirements.**

FIRE SCIENCE 1 (CTC)	Enrollment Based
6622	2 units (2-hour block, full year)
	10, 11, 12

Prerequisite – Introduction to Public Safety

This course involves an intensive study of the skills and concepts needed to prepare for the Fire Science 2 Course. Completion of the Fire Science 1 and 2 courses equip students with the knowledge and skills necessary to entering the fire academy after high school. The curriculum includes an examination of the NFPA skills and knowledge standards for Firefighter I.

FIRE SCIENCE 2 (CTC)	Enrollment Based
6624	2 units (2-hour block, full year)
	11, 12

Prerequisite – Fire Science 1

This course continues the intensive study of NFPA skills and knowledge standards started in Fire Science I. Students in this course will continue their studies through examination of the NFPA skills and knowledge standards associated with Firefighter II.

HAZMAT FOR FIRST RESPONDERS	Enrollment Based
6627	1 /2 unit
	11, 12

Prerequisite – Fire Science 1 with concurrent enrollment in Fire Science 2

A basic awareness and understanding of hazardous materials is critical to the safety of all first responders. This course provides future first responders the basic skills needed to evaluate and work defensively at an incident involving the release of hazardous materials. Students will learn basic hazard and risk-assessment techniques for Hazmat incidents. Students will complete FEMA NIMS certification. **This is an on-line based course that can be supported by the Blue Eagle Staff.**

PROJECT BLUE EAGLE

A SIGNATURE PROGRAM AT ALL SHAWNEE MISSION HIGH SCHOOLS

LPSS INTERNSHIP

Enrollment Based

6630

1 unit (2-hour block per semester)

12

Prerequisite – Law Enforcement 1 and 2 and teacher recommendation

This course serves as the capstone for the Project Blue Eagle Pre-Law Signature Program. This internship is a semester of on-site mentorship in the field of law enforcement. The student will secure this internship with assistance from the Blue Eagle Program. The internship is intended to provide the student real world experiences in a real employment setting. Classes on resume building, interviewing and job skills are included.

WILD LAND FIREFIGHTING

Enrollment Based

6626

1/2 unit

11, 12

Prerequisite – None

This course, in conjunction with the Kansas Forestry Service, is the study of forest fire techniques with a practical application aimed at qualifying the student for his/her Forest Fire Red Card, preparing them to seek employment fighting forest fires. **This is an on-line based course that can be supported by the Blue Eagle Staff.**

PROJECT BLUE EAGLE

A SIGNATURE PROGRAM AT ALL SHAWNEE MISSION HIGH SCHOOLS

Advanced Courses are offered at the Career and Technical Campus (CTC) and district transportation is provided to CTC with return transportation to the home high school.

SMSD Career Pathways

Pathway: Public Safety & Security	Strand: Law Enforcement
Intro Level	Intro to Public Safety (.05)/Blue Eagle Academy (.05)
Technical Level	EMR (0.5)
	Law Enforcement 1 (1.0)
	Forensic Science 1 (0.5)
	Forensic Science 2 (0.5)
Application Level	Law Enforcement 2 (1.0)
	LPSS Internship (0.5)

LAW ENFORCEMENT COURSE DESCRIPTIONS

FORENSIC SCIENCE 1 Enrollment Based
4243 1/2 unit science elective 10,11,12

Prerequisite – Biology

This class is the hands-on application of science to the law. The focus is on problem-solving, designing experiments, and testing and making conclusions based on empirical evidence. Students will be expected to work in teams to theorize, design experiments, research forensic methodologies, synthesize information, and make conclusions based on their own empirical evidence. This course counts towards SMSD science elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission.

FORENSIC SCIENCE 2 Enrollment Based
4245 1/2 unit 10,11,12

Prerequisite – Forensic Science 1

Case studies are provided for all units, as well as research/analysis completed by students on famous cases. This course furthers students' exploration of how science and inquiry are applied to the criminal justice system. Topics include: crime scene analysis, physical/chemical analysis of evidence, microscopy, chromatography, hair/fiber/glass/document/fingerprint analysis, firearms, drug, toxicology, entomology, anthropology, blood (serology) and DNA analysis. Principal methods of learning include lecture, demonstration, case study analysis, forensic journal reading, forensics competitions, lab activities and experiments. This course will emphasize potential career pathways, critical thinking, problem-solving, observation, data analysis, and data collection, in addition to scientific skills and techniques. This course counts towards SMSD science elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission.

FORENSIC SCIENCE 3 Enrollment Based
4247 1/2 unit science elective 11,12

Prerequisite – Forensic Science 2

This application level course expands upon the skills learned in Forensic Science 2. Key topics include crime and accident reconstruction, arson and fire investigation, explosions, body systems, physical trauma, and autopsy. This course includes the opportunity to job shadow/intern at local agencies.

FORENSIC SCIENCE 4 Enrollment Based
4249 1/2 unit science elective 11,12

Prerequisite – Forensic Science 3

This application level course expands upon the skills learned in Forensic Science 3. Key topics include interrogation and forensic reporting, criminal profiling, cybercrimes, and digital responsibility and social networking. This course includes the opportunity to job shadow/intern at local agencies.

LAW ENFORCEMENT 1 (CTC) Enrollment Based

6612 1 unit (2-hour block, one semester) 10,11,12

Prerequisite – Introduction to Public Service / Blue Eagle Academy

This course is designed to provide the student with the basic concepts and skills associated with the law enforcement profession to include introduction to law and the legal system, criminal law and the juvenile justice system, police department organizational structures, and other police related information. This class is heavy in hands-on development of police skills including report writing, criminal investigations and other technical police operations.

PROJECT BLUE EAGLE

A SIGNATURE PROGRAM AT ALL SHAWNEE MISSION HIGH SCHOOLS

LAW ENFORCEMENT 2 (CTC)

Enrollment Based

6614 1 unit (2-hour block, one semester) 11,12

Prerequisite – Introduction to Public Safety / Blue Eagle Academy and Law Enforcement 1

This is an in-depth follow-up to Law Enforcement 1 studying crime control measures, most significant crimes, constitutional law, and, as in Law Enforcement 1, contains significant hands-on skill development. Seniors may enroll in both LE 1 and LE 2 their senior year, taking one per semester.

LPSS INTERNSHIP

Enrollment Based

6630 1 unit (2-hour block per semester) 12

Prerequisite – Law Enforcement 1 and 2 and teacher recommendation

This course serves as the capstone for the Project Blue Eagle Law Enforcement Signature Program. This internship is a semester of on-site mentorship in the field of law. The student will secure this internship with assistance from the Blue Eagle Program. The internship is intended to provide the student real world experiences in a real employment setting. Classes on resume building, interviewing and job skills are included.

PROJECT BLUE EAGLE

A SIGNATURE PROGRAM AT ALL SHAWNEE MISSION HIGH SCHOOLS

LAW, PUBLIC SAFETY AND SECURITY, PRE-LAW, LAW ENFORCEMENT,
FIRE SCIENCE AND EMT CAREER EXPLORATION AND PREPARATION

The Pre-Law courses are offered at each high school.

SMSD Career Pathways

<i>Pathway: Law</i>	<i>Strand: Law</i>
Intro Level	Intro to the Study of Legal Systems (0.5)
Technical Level	Practical Law (0.5)
	Business Law (0.5)
	Forensic Science 1 (0.5)
	Forensic Science 2 (0.5)
Application Level	Applications in Law (1.0) LPSS Internship (0.5)

PRE-LAW COURSE DESCRIPTIONS

INTRODUCTION TO THE STUDY OF LEGAL SYSTEMS

Enrollment Based

6611 1/2 unit 9,10,11,12

Prerequisite – None

Introduction to the Study of Legal Systems is the introduction to the law pathway, and its relationship to public safety. As such, it is an exploratory class giving the student access to the principles and concepts necessary for the basic study of law. This is a required class for continuation in the Signature Program, and is designed to provide the student the basic information necessary to decide on further program study. This course counts towards SMSD social studies elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission.

PRACTICAL LAW

Enrollment Based

6122 1/2 unit 10,11,12

Prerequisite – Introduction to the Study of Legal Systems

Practical Law is the basic study of law and will discuss such topics as constitutional law, criminal law, family law, immigration law, and torts. This course is designed to give a basic understanding of the legal system and gives practical applications in the study of law. This is a required class for continuation in the signature program. This course counts towards SMSD social studies elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission.

BUSINESS LAW

Enrollment Based

6120 1/2 unit 9,10,11,12

Prerequisite – None

This course is designed to expose the student to our legal system, civil and criminal law. Topics will include law as it relates to business ownership, consumer protection, and contractual agreements. Real situations and specific court cases will be studied. This is a required class for continuation in the Signature Program, and is designed to provide the student the basic information necessary to decide on further program study, and determination of which strand is the one they wish to pursue.

ACCOUNTING

Enrollment Based

6025 1 unit 10,11,12

Prerequisite – None

Accounting is the language of business and is considered a must for college business majors. Accounting is a valuable course for all students pursuing a career in business, marketing, or management. Financial transactions will be analyzed and recorded and financial statements will be produced. Accounting software will be introduced. This is an elective course for the Project Blue Eagle Pre-Law Signature Program.

APPLICATIONS IN LAW

Enrollment Based

6618 1 unit 12

Prerequisite – Introduction to Public Service or Introduction to the Study of Legal Systems, Practical and Business Law

This class develops the students' ability to locate and assess relative resources, summarize research findings, work individually and collaboratively to obtain, synthesize, and evaluate information in support of the position or conclusion in a legal matter. This course serves as the capstone for the Project Blue Eagle Pre-Law Signature Program. This course counts towards SMSD social studies elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission.

PROJECT BLUE EAGLE

A SIGNATURE PROGRAM AT ALL SHAWNEE MISSION HIGH SCHOOLS

LPSS INTERNSHIP		Enrollment Based
6630	1/2 unit	12

Prerequisite – Teacher recommendation

This course serves as the capstone for the Project Blue Eagle Pre-Law Signature Program. This internship is a semester of on-site mentorship in the field of law enforcement. The student will secure this internship with assistance from the Blue Eagle Program. The internship is intended to provide the student real world experiences in a real employment setting. Classes on resume building, interviewing and job skills are included.

FORENSIC SCIENCE 1		Enrollment Based
4243	1/2 unit science elective	10,11,12

Prerequisite – Biology

This class is the hands-on application of science to the law. The focus is on problem-solving, designing experiments, and testing and making conclusions based on empirical evidence. Students will be expected to work in teams to theorize, design experiments, research forensic methodologies, synthesize information, and make conclusions based on their own empirical evidence. This course counts towards SMSD science elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission.

FORENSIC SCIENCE 2		Enrollment Based
4245	1/2 unit	10,11,12

Prerequisite – Forensic Science 1

Case studies are provided for all units, as well as research/analysis completed by students on famous cases. This course furthers students' exploration of how science and inquiry are applied to the criminal justice system. Topics include: crime scene analysis, physical/chemical analysis of evidence, microscopy, chromatography, hair/fiber/glass/document/fingerprint analysis, firearms, drug, toxicology, entomology, anthropology, blood (serology) and DNA analysis. Principal methods of learning include lecture, demonstration, case study analysis, forensic journal reading, forensics competitions, lab activities and experiments. This course will emphasize potential career pathways, critical thinking, problem-solving, observation, data analysis, and data collection, in addition to scientific skills and techniques. This course counts towards SMSD science elective credit, but the course is not permitted for use as Kansas Board of Regents Qualified Admission.

FORENSIC SCIENCE 3		Enrollment Based
4247	1/2 unit science elective	11,12

Prerequisite – Forensic Science 2

This application level course expands upon the skills learned in Forensic Science 2. Key topics include crime and accident reconstruction, arson and fire investigation, explosions, body systems, physical trauma, and autopsy. This course includes the opportunity to job shadow/intern at local agencies.

FORENSIC SCIENCE 4		Enrollment Based
4249	1/2 unit science elective	11,12

Prerequisite – Forensic Science 3

This application level course expands upon the skills learned in Forensic Science 3. Key topics include interrogation and forensic reporting, criminal profiling, cybercrimes, and digital responsibility and social networking. This course includes the opportunity to job shadow/intern at local agencies.



SHAWNEE MISSION
SCHOOL DISTRICT

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