Secondary Course Selection Guide

2022-23

The Purpose of the Secondary Course Selection Guide

The Secondary Course Selection Guide contains important information for students on how they can be successful in middle and high school. The guide highlights Austin ISD policies, rules and regulations that apply to secondary school students and it provides detailed information about the courses offered. Most importantly, the Guide offers the information you will need to plan the courses you will take to graduate from high school and be accepted and successful at the college you choose and in your desired career.

The SSIG has five sections:

1) General Information for all secondary students and parents;
2) Middle school information and course descriptions;
3) High school graduation requirements;
4) High school course descriptions;
5) Career and Technical Education course descriptions.

There are several ways to use this guide. First, you may want to identify topics that interest you from the Table of Contents and go directly to those pages. Second, you may want to read sequentially through the general information section then proceed to middle- or high-school sections that apply to you. Refer to the course descriptions as you select your schedule for the next academic year.
Look ahead at the classes that are necessary to meet graduation requirements. Many of these classes have prerequisite courses that you must take in your freshman, sophomore or junior years. If you get to your senior year without taking the prerequisites, you will not be able to take the higher-level courses and possibly will not have the credits you will need to graduate. So, plan ahead! Your counselor and teachers can help you select the right classes to take so that you will be able to graduate well-prepared for college and for the career of your choice.
AISD Disclaimer:
The contents of the SSIG are relevant to AISD Policy (LEGAL and LOCAL), Regulation and Practice. For current information regarding district policy please refer to the AISD website or visit with your school counselor.
Specific school-related questions should be directed to campus staff. When parents or legal guardians have a question or concern, they should contact the person who made the initial decision. After discussing the matter, if the concern continues, the principal should be contacted.

Table of Contents

Austin ISD Secondary School Campus Directory

HIGH SCHOOL	ADDRESS	ZIP	PHONE	CEEB CODE
Akins Early College High School	10701 South 1st Street	78748	841-9900	440-349
Anderson High School	8403 Mesa Drive	78759	414-2538	440-294
Ann Richards School for Young Women Leaders	2206 Prather Lane	78704	414-3236	440-382
Austin High School	1715 W. Cesar Chavez	78703	414-2505	440-320
Bowie High School	4103 W. Slaughter Lane	78749	414-5247	440-331
Crockett Early College High School	5601 Manchaca Road	78745	414-2532	440-298
Eastside Early College High School	900 Thompson St.	78702	414-5810	440-365
Garza Independence High School	1600 Chicon Street	78702	414-8600	440-339
GPA at Navarro	1201 Payton Gin Road	78758	414-2896	n/a
Graduation Preparatory Academy (at Travis)	1211 E. Oltorf St.	78704	414-6635	n/a
International High School	1012 Arthur Stiles Road	78721	414-6817	440-368
LBJ Early College High School	7309 Lazy Creek Drive	78724	414-2543	440-306
Liberal Arts and Science Academy(LASA)	1012 Arthur Stiles Rd	78721	414-5272	440-069
McCallum High School	5600 Sunshine Drive	78756	414-2519	440-300
Navarro Early College High School	1201 Payton Gin Road	78758	414-2514	440-302
Northeast Early College High School	7104 Berkman Drive	78752	414-2523	440-301
Travis Early College High School	1211 E. Oltorf	78704	414-2527	440-325

OTHER CAMPUSES	ADDRESS	ZIP	PHONE	CEEB CODE
Alternative Learning Center	901 Neal Street	78702	414-2554	440-290
Clifton Development Center	1519 Coronado Hills Drive	78752	414-3614	n/a
Rosedale School	2117 West 49th Street	78756	414-3617	n/a

MIDDLE SCHOOLS	ADDRESS	ZIP	PHONE	CEEB CODE
Ann Richards School for Young Women Leaders	2206 Prather Lane	78704	414-3236	440-382
Bailey Middle School	4020 Lost Oasis Hollow	78739	414-4990	n/a
Bedichek Middle School	6800 Bill Hughes Road	78745	414-3265	n/a
Bertha Sadler Means Young Women's Leadership Academy	6401 N. Hampton Drive	78723	414-3234	n/a
Burnet Middle School	8401 Hathaway	78757	414-3225	n/a
Covington Middle School	3700 Convict Hill Road	78749	414-3276	n/a
Dobie Middle School	1200 E. Rundburg Lane	78753	414-3270	n/a
Gorzycki Middle School	7412 West Slaughter Lane	78749	841-8600	n/a
Gus Garcia Young Men's Leadership Academy	7414 Johnny Morris Road	78724	841-9400	n/a
Kealing Middle School	1607 Pennsylvania Avenue	78702	414-3214	n/a
Lamar Middle School	6201 Wynona	78757	414-3217	n/a
Lively Middle School	201 East Mary	78704	414-3207	n/a
Martin Middle School	1601 Haskell	78702	414-3243	n/a
Mendez Middle School	5106 Village Square	78744	414-3284	n/a
Murchison Middle School	3700 North Hills Drive	78731	414-3254	n/a
O. Henry Middle School	2610 West 10th Street	78703	414-3229	n/a
Paredes Middle School	10100 S. Mary Moore Searight Dr.	78748	841-6800	n/a
Small Middle School	4801 Monterey Oaks Blvd.	78749	841-6700	n/a
Webb Middle School	601 E. St. Johns	78752	414-3258	n/a

Austin ISD Middle School Campuses

Ann Richards School for Young Women Leaders (028)

Ranked among the best schools in Texas and the United States, the Ann Richards School for Young Women Leaders comprises a community of girls who are committed to building their communities—and to changing the world.

The all-girls school prepares sixth through 12th graders to make it to and through college with a healthy and well-balanced lifestyle. In addition to providing rigorous academics, ARS encourages all students to develop real-world service projects, which challenge them to lead with courage and compassion, while solving problems creatively and ethically.

ARS welcomes students from throughout Austin—from every elementary school in the district—to join their campus community in South Austin for a world-class education and a whole lot of fun. Stars put their hearts and smarts into all they do as artists and scientists, thinkers and builders, dreamers and doers.

The school's namesake, Gov. Ann Richards, played an instrumental role in developing the ARS vision. Her legacy looms large at the school founded to give young women from economically disadvantaged backgrounds the skills and confidence they need to succeed in college, career and life. The larger-than-life leader serves as a constant reminder to the girls that their wit and will—talents and tenacity—can and will change the world.

Bailey Middle School (059)

Bailey Middle School, located in southwest Austin, offers a comprehensive middle school program for students in grades six through eight. The mission of Gordon A. Bailey Middle School is to educate all students so that they may achieve their maximum intellectual potential. Bailey Middle School offers a supportive atmosphere where staff, parents and community members work together to provide a variety of opportunities for students to grow socially, emotionally, physically, and aesthetically. Nationally recognized programs in band and orchestra, an award-winning yearbook program, and athletics and cheering programs are among more than 25 clubs and student activities offered at Bailey. Bailey offers career and technology classes through Project Lead the Way, a national leader in science, technology, engineering and math programs.

Bedichek Middle School (054)

Bedichek Middle School supports and encourages learning at all levels with its academic approach and extensive programming. Special programs include an AVID college readiness initiative, Einstein Jr. Advanced Academics and a nationally recognized Project Lead the Way STEM program. Bedichek is proud to be a Mr. Holland's Opus award winner, with robust fine arts offerings including band, classical guitar, mariachi, orchestra and steel drums. Our motto is "Pride in Excellence" and we work to achieve excellence in all aspects of school life. Middle School's Dual Language Program builds on students' bilingualism, biliteracy and biculturalism through high-level cognitive instructional practice. Spanish-proficient students and/or students who completed AISD's PreK-5 Dual Language program are eligible for Middle School Dual Language. Middle School Dual Language students take 2 courses taught 100% in Spanish each year and can earn up to 4 High School credits and up to 12 college credits. Middle School Dual Language prepares middle school students for success in High School, college, and life and gives students access to the myriad of benefits of being bilingual and biliterate.

Bertha Sadler Means Young Women's Leadership Academy (065)

In an environment of sisterhood, the Sadler Means Young Women's Leadership Academy promotes scholarship, leadership and community service to help ensure students succeed in high school, college, career and life. The all-girls academy in east Austin offers a world of opportunities—from arts and athletics to science and engineering—to help students achieve their greatest potential.
Sadler Means invests in the whole child, nurturing scholars' creative minds and talents through robust fine arts programs, including art, band, choir, dance, orchestra and theatre.

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The academy offers career and technology classes through Project Lead the Way, a national leader in science, technology, engineering and math programs. With a rigorous curriculum and higher education and industry partnerships, students develop the skills needed to succeed in the global economy.

Community support is key to the students' success. To foster sisterhood and strengthen bonds among the scholars, Sadler Means offers three houses that represent some of the academy's core values: Integritas (integrity), Collegium (sisterhood) and Salubritas (wellness). The school also connects each student with champions on campus and mentors through Communities in Schools.

Sadler Means is part of the LBJ and Northeast families of schools. As early college high schools, LBJ and Northeast offer students the opportunity to earn college credit and graduate with a diploma in one hand and an associate's degree from Austin Community College in the other.

Burnet Middle School (046)

Burnet Middle School motivates and inspires students to succeed in a safe and caring learning environment. Located in north central Austin, where it opened in 1961, Burnet Middle School offers a rigorous and relevant education for all students. Beginning in 2015, Burnet will be one of the first in AISD to offer two-way dual language at the middle school level. A focus on literacy is reinforced with Family Literacy nights and other activities. Connections between family and school are reinforced through the PTA, Family Resource Centers, and Boys and Girls Club.
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Covington Middle School (057)

Covington Middle School and Fine Arts Academy, built in 1986, was named after Weldon and Verna Covington, who were master teachers in music. At Covington, every student takes part in the most rigorous creative learning in a culture of rich social and emotional supports, incorporating our AVID (Advancement Via Individual Determination) college-preparation strategies. Increased self-confidence and self-discipline, performance advancement, arts-enhanced academic excellence, strengthened social and problem-solving skills, lifelong friendships and FUN are just a few of the many positive outcomes from participation in the academy. All Covington students have access to all fine arts programs, and many participate in more than one specialty area, combining technique and talent from beginning to advanced levels. With respect and passion, Covington strives to produce citizens of character who have a commitment to lifelong learning through academic excellence, emotional and physical wellness and service to their community.

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Dobie Middle School (055)

Dobie Middle School and College Prep Academy offers scholars the opportunity to develop their talents, strengthen their skills and prepare for college, career and life.

In addition to core subjects such as math, English language arts and social studies, Dobie is proud to provide robust fine arts programs, including art, band, choir, guitar and theater classes. Students can take Advanced Placement Spanish classes beginning in sixth grade, giving them the opportunity to finish middle school with high school credits in foreign language. Dobie also offers technology and career classes, including web design and culinary arts. Through the Project Lead the Way engineering class, students may apply to the engineering program at Northeast Early College High School.

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Dobie is part of the Northeast family of schools. As an early college high school, Northeast offers students the chance to earn college credit and graduate with a diploma in one hand and an associate's degree from Austin Community College in the other.

Dobie recognizes that parent engagement is critical to the success of students. The school invites parents to enjoy a wide range of community programs, including English as a second language classes. The campus regularly hosts school events, creating a space for students, parents and team members to come together to strengthen the Dobie family.

Gorzycki Middle School (062)

Located on 42 acres along West Slaughter Lane in far southwest Austin, Gorzycki Middle School first opened its doors to students for the 2009–10 school year. Gorzycki is named in honor of longtime music educator and band director Diane Elaine Gorzycki, who worked with the district for 30 years. Our staff of dedicated teachers serve more than 800 students in grades six, seven and eight. We strive to create a secure and collaborative climate where the Gorzycki community is empowered to challenge, design, build and lead tomorrow's world citizens.

Gus Garcia Young Men's Leadership Academy (064)

In an environment of brotherhood, the Gus Garcia Young Men's Leadership Academy develops scholars who are empathetic, service-oriented problem-solvers—lifelong learners who succeed in high school, college, career and life. The all-boys academy in East Austin offers a world of opportunities—from arts and athletics to science and engineering—to help students achieve their greatest potential.

Garcia makes lessons come alive for the young men—from connecting the classroom to the community through service learning projects to combining students' love of music with computer science for a conversation with Usher during the international Hour of Code. Garcia offers career and technology classes through Project Lead the Way, a national leader in science, technology, engineering and math programs. With a rigorous curriculum and higher education and industry partnerships, students develop the skills needed to succeed in the global economy.

The academy invests in the whole child, nurturing scholars' creative minds and talents through robust fine arts programs. Garcia athletes have the opportunity to shape their bodies for excellence through Olympic-style training programs.

Community support is key to the students' success. Garcia connects each student with champions on campus and through the national My Brother's Keeper initiative.

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Garcia is part of the LBJ and Northeast family of schools. As early college high schools, LBJ and Northeast offer students the opportunity to earn college credit and graduate with a diploma in one hand and an associate's degree from Austin Community College in the other.

Kealing Middle School (044)

Named for Hightower Theodore Kealing, an African-American educator, writer, editor and activist in Austin in the 19th century, Kealing Middle School opened in fall 1930 as the first junior high school for African-American students in Austin. In 1971, the school was closed as part of Austin's desegregation efforts.

In 1986, the school reopened as a junior high school, both for students in the Kealing neighborhood and for students throughout AISD who were accepted into its rigorous and innovative academic magnet math and science program. In 1993, the magnet program expanded to include a focus on the liberal arts as well. In fall 2004, Kealing opened its sixth-grade program and became a middle school.

The Kealing Magnet Program has a reputation for excellence in academics, offering the most challenging and advanced core curricula in the district for English, math, science and social studies. The Kealing Academy Program serves students in sixth through eighth grades, teaching a rigorous and engaging curriculum to support the needs of students with a wide arrange of abilities. Academic strength is evident with the success of Kealing's Advancement Via Individual Determination. Kealing offers career and technology classes through Project Lead the Way, a national leader in science, technology, engineering and math programs.

Lamar Middle School (045)

Lamar Middle School, home to one of the district's middle school Fine Arts academies, provides a robust program for students across Austin in visual arts, dance, band, orchestra, choral music, drama, classical guitar, piano, digital arts and media. As the primary feeder school for McCallum High School, the school is strongly aligned with McCallum's fine arts programs. Lamar's academic programs are comprehensive and rigorous, and its athletics programs are dynamic. In 2013 and 2014, Lamar Middle School's Jazz Factory was ranked as the top middle school jazz ensemble in the nation in the Mark of Excellence Recording Competition from the Foundation for Music Education. Jazz Factory has received numerous awards, from competing in Festival Disney in 2014 to being invited to the 69th annual Midwest Clinic in

Chicago this year. Lamar celebrated its 60th anniversary during the 2015–16 school year. Lamar offers career and technology classes through Project Lead the Way, a national leader in science, technology, engineering and math programs.

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Lively Middle School (043)

Lively Middle School, located on historic South Congress Avenue and just down the street from the Texas Capitol, serves approximately 1,000 students. Lively was founded in 1886 and has been in its current location since 1911. Lively is proud of its rich history of educating Austin's children. Our mission, "To provide educational opportunities that inspire global thinking and social responsibility," is met through diverse course offerings and rich extracurricular activities.

The Lively Humanities and Law Magnet for International Studies offers advanced academic programming that provides engaging coursework and that both challenges and supports students. The three strands of humanities, law and international studies provide the basis for a wide array of unique academic and award-winning fine arts electives that are found exclusively at Lively. Magnet students enroll in specialized language arts and social studies courses, where they enjoy accelerated, cross curricular project-based learning. Lively offers career and technology classes through Project Lead the Way, a national leader in science, technology, engineering and math programs.

In the 2014–15 school year, Lively began offering dual-language courses to our sixth-grade students to support the district's dual-language programming that has been in place in elementary schools. Our dual language program provides students the ability to become bilingual, biliterate and bicultural through high-level cognitive instructional practice.

Martin Middle School (051)

Martin Middle School is in central Austin in the vibrant Holly neighborhood on the banks of Lady Bird Lake. The school community is at the crossroads of Austin's history and culture and its growing technology and creative industries.

The school offers the Innovation Academy at Martin for students interested in investigating careers in Science, Technology, Engineering, Arts, and Math (STEAM). IAM creates a diverse and rigorous learning environment that ensures each student will be able to design, create and communicate solutions for real-world challenges. Students engage in discussions about college and career pathways through community and business partnerships.

Middle School's Dual Language Program builds on students' bilingualism, biliteracy and biculturalism through high-level cognitive instructional practice. Spanish-proficient students and/or students who completed AISD's PreK-5 Dual Language program are eligible for Middle School Dual Language. Middle School Dual Language students take 2 courses taught 100% in Spanish each year and can earn up to 4 High School credits and up to 12 college credits. Middle School Dual Language prepares middle school students for success in High School, college, and life and gives students access to the myriad of benefits of being bilingual and biliterate.

Martin operates a Family Resource Center on campus to ensure parents and guardians have the support they need to help their children succeed in school and life. Martin also hosts community events such as Harvest Fest to provide community members with resources, free health and wellness services, as well as information about housing, employment, insurance and education.

Martin is part of the Eastside Memorial family of schools, which offers STEM programs at every grade level and is part of the district's Creative Learning Initiative to offer a quality arts-rich education to every child.

Mendez Middle School (048)

Mendez Middle School, serving approximately 600 students in south Austin, aims to provide students with a wealth of opportunities on their path to success. Consuelo Herrera Mendez, the school's namesake, worked as a teacher for nearly 50 years and was a tireless advocate for Mexican-American rights. With a focus on both community service and career and technical education, Mendez strives to live up to her legacy by providing students with the foundation they need to enter the global workforce and become contributing members of their community. Mendez offers career and technology classes through Project Lead the Way, a national leader in science, technology, engineering and math programs.

Murchison Middle School (052)

Murchison Middle School begins each student's secondary experience with a focus on language development, cultural perspectives, and global awareness. A rigorous curriculum with a plethora of learning experiences, technology applications, and community service is the cornerstone of Murchison. High academic expectations are the standard for all students, and advanced classes and high school credit courses provide the rigor for students who pursue higher level achievement. Fine Arts at Murchison is an integral core for student development.

The International Baccalaureate Middle Years Program provides the framework for Murchison academics, campus-wide activities, instructional design and community service. Designation as a No Place for Hate campus is a continuing commitment and tenet for action. Our Highly Certified AVID program prepares students and families new to college prep and supports rigorous learning through collaboration, inquiry based learning, and Socratic questioning. Language options include Spanish, French, German, Latin, Vietnamese, and Chinese. Technology is tightly integrated into the curriculum through problem-based learning and research. Career and Technology courses include Project Lead the Way foundation and specialization classes, graphic and web design, robotics and more.

O. Henry Middle School (047)

O. Henry Middle School is named for short story writer William Sydney Porter, better known by his pen name of O. Henry. Located in central-west Austin, the school offers strong academic programming and a focus on social and emotional learning as well as band, orchestra, athletics and Advanced courses. O. Henry was named a 2012 Schools to Watch by the National Forum to Accelerate Middle-Grades Reform. The school earned the recognition for challenging students to use their minds well, being sensitive to the unique developmental challenges of early adolescence and providing every student with high-quality teachers and resources. O.Henry offers career and technology classes through Project Lead the Way, a national leader in science, technology, engineering and math programs.

Paredes Middle School (061)

Paredes Middle School is named for Américo Paredes, a seminal 20th century Mexican-American scholar. The mission of Paredes Middle School is to prepare students to be successful and productive community members, lifelong learners and creative problem solvers who value teamwork, cultural diversity and mutual respect. Student achievement is a top priority at Paredes. The school's climate encourages positive, respectful behavior that is conductive to teaching and learning.

Middle School's Dual Language Program builds on students' bilingualism, biliteracy and biculturalism through high-level cognitive instructional practice. Spanish-proficient students and/or students who completed AISD's PreK-5 Dual Language program are eligible for Middle School Dual Language. Middle School Dual Language students take 2 courses taught 100% in Spanish each year and can earn up to 4 High School credits and up to 12 college credits. Middle School Dual Language prepares middle school students for success in High School, college, and life and gives students access to the myriad of benefits of being bilingual and biliterate.

Small Middle School (060)

Small Middle School houses the Green Tech Academy, reflecting the school's strong emphasis on environmental studies. Small Middle School has been designated by the National Wildlife Federation as the first Green Flag School in Texas. Learning takes place indoors and out in gardens and outdoor classrooms that surround the school. The school's focus on STEAM (Science, Technology, Engineering, Arts/Athletics, and Mathematics) helps develop 21st century leaders with a focus on the whole child. Small offers career and technology classes through Project Lead the Way, a national leader in science, technology, engineering and math programs.

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Webb Middle School (053)

Webb Middle School, which is the heart of the St. John neighborhood in northeast Austin, is a tightly knit community bound by one shared belief: It takes a village to raise a child. The community school works closely with students, families and partners to develop rigorous curriculum, as well as integrated support systems that ensure every student is prepared for college, career and life.

On the academics front, Webb offers a world of opportunities—from arts and athletics to science and engineering—to help students achieve their greatest potential. Teachers and team members create a challenging and nurturing environment for students to discover and develop their talents and skills. Webb offers robust fine arts programs, including art, band, choir, dance, orchestra and theatre. Webb invests in career and technology classes in animation, web design and app development. Students in all grade levels explore opportunities in such fields as construction, energy, manufacturing, transportation and robotics. Webb offers career and technology classes through Project Lead the Way, a national leader in science, technology, engineering and math programs.

For the large number of students who are learning English as their second language, Webb provides the English Language Development Academy to ensure all students are able to understand and master the content in their classes to meet the school's high academic achievement standards.

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Webb operates a Family Resource Center—with partners such as Communities in Schools and the United Way—to ensure parents and guardians have the support they need to help their children succeed. Webb is part of the Northeast family of schools. As an early college high school, Northeast offers students the opportunity to earn college credit and graduate with a diploma in one hand and an associate's degree from Austin Community College in the other.

Austin ISD High School Campuses

Akins High School (017)

Akins High School, located in far south Austin, is made up of six learning communities: Arts & Humanities, Business & Leadership, Green Tech, New Tech, Social Services and T-STEM. Through this structure, students are exposed to college- and career-pathways while receiving individualized instruction. The Akins High School community educates every student to be self-sufficient, strengthens every student to face challenges of mind and heart, and nurtures every student to become lifelong learners in a diverse world. The school offers exciting courses through Project Lead the Way, a national leader in science, technology, engineering and math programs.

Early College High School builds on students' bilingualism, biliteracy and biculturalism through high-level cognitive instructional practice. Spanish-proficient students and/or students who completed AISD's PreK-8 Dual Language program are eligible for High School Dual Language. High School Dual Language students take 2 courses taught 100% in Spanish each year, compile and present a portfolio of their journey to bilingualism and biliteracy, and work toward the AISD Dual Language Seal of Biliteracy, a distinction recognized at graduation. Middle School Dual Language prepares high school students for success in high school, college, and life and gives students access to the myriad of benefits of being bilingual and biliterate.

The school's namesake, Dr. W. Charles Akins, helped lead the charge for Austin schools to value diversity, set high expectations and offer students and staff the opportunity to achieve their fullest potential.

Anderson High School (009)

L.C. Anderson High School, located in northwest Austin serves a diverse population, with more than 50 different languages spoken in students' homes. A highly experienced corps of teachers and administrators offer a challenging and enriching academic experience and a wide range of extracurricular activities.

Since 1991, Anderson High School has been authorized as an International Baccalaureate school. IB is a comprehensive curriculum to challenge highly motivated high school students by focusing on higher-level learning skills, creative thinking, interdisciplinary studies and community service with an international perspective on learning.

Anderson has been named a T-STEM academy by the Texas Education Agency. Anderson's career and technology programs highlight medical, engineering, film, manufacturing and computer science. The Applied Technology Center provides a facility for students from area schools to work on science, technology, engineering and math projects, such as robotics.

Ann Richards School for Young Women Leaders (028)

Ranked among the best schools in Texas and the United States, the Ann Richards School for Young Women Leaders comprises a community of girls who are committed to building their communities—and to changing the world.

The all-girls school prepares sixth through 12th graders to make it to and through college with a healthy and well-balanced lifestyle. In addition to providing rigorous academics, ARS encourages all students to develop real-world service projects, which challenge them to lead with courage and compassion, while solving problems creatively and ethically. The school offers exciting courses through Project Lead the Way, a national leader in science, technology, engineering and math programs.

ARS welcomes students from throughout Austin—from every elementary school in the district—to join their campus community in south Austin for a world-class education and a whole lot of fun. Stars put their hearts and smarts into all they do as artists and scientists, thinkers and builders, dreamers and doers.

The school's namesake, Gov. Ann Richards, played an instrumental role in developing the ARS vision. Her legacy looms large at the school founded to give young women from economically disadvantaged backgrounds the skills and confidence they need to succeed in college, career and life. The larger-than-life leader serves as a constant reminder to the girls that their wit and will—talents and tenacity—can and will change the world.

Austin High School (002)

Austin High School, located in the heart of the city, is the oldest continuously operating public high school in Texas. Students from diverse ethnic and socio-economic backgrounds pursue academic excellence, guided by a highly qualified and dedicated faculty.
Austin High offers more than 250 courses, including advanced courses in most disciplines, such as English, math, science, social studies, STEM, humanities, fine arts, athletics and world languages. The school has a rich tradition of strong performance and an ever-growing list of distinguished graduates and loyal alumni. The school offers exciting courses through Project Lead the Way, a national leader in science, technology, engineering and math programs.
Students have the opportunity to attend one of Austin High's four academies—Classical Studies, Design & Technology, Global Studies, and Science & Innovation—to expand their knowledge and challenge themselves throughout their high school career.

Bowie High School (013)

Bowie High School, located on 60 acres in southwest Travis County, is the largest comprehensive high school in the district, with more than 200 faculty and staff members in 160 classrooms and labs. The school's size and range of offerings gives students numerous options for involvement in academic and extracurricular activities.

Bowie offers college preparatory classes, Advanced Placement coursework, foreign languages, fine arts, Air Force JROTC, numerous athletics programs, and career and technology programs—including Culinary Arts, Hotel/Resort Management, Agricultural Science and Computer Technology. The school offers exciting courses through Project Lead the Way, a national leader in science, technology, engineering and math programs.

Crockett Early College High School (008)

Crockett Early College High School, located in south Austin, fosters a community of learners and leaders. At Crockett, Cougar pride is felt throughout the campus, fields and classrooms. A dedicated corps of educators helps ensure all students have opportunities to reach their full potential. The school offers exciting courses through Project Lead the Way, a national leader in science, technology, engineering and math programs.

Early College High School builds on students' bilingualism, biliteracy and biculturalism through high-level cognitive instructional practice. Spanish-proficient students and/or students who completed AISD's PreK-8 Dual Language program are eligible for High School Dual Language. High School Dual Language students take 2 courses taught 100% in Spanish each year, compile and present a portfolio of their journey to bilingualism and biliteracy, and work toward the AISD Dual Language Seal of Biliteracy, a distinction recognized at graduation. Middle School Dual Language prepares high school students for success in high school, college, and life and gives students access to the myriad of benefits of being bilingual and biliterate.

A campus-wide AVID program helps students prepare for success in college and career with focused note-taking, learning logs to track progress and college preparations and visits. Crockett boasts an award-winning theater program, band and choir, a state- and regional-winning science club and an active gifted and talented program. The school's career and technology courses offer articulated classes and certifications so that students can graduate ready to work in their field while they pursue post-secondary educations.

Eastside Memorial Early College High School (019)

Eastside Memorial Early College High School offers a world of opportunities—from arts and athletics to health sciences to robotics—to help students achieve their greatest potential.

Eastside Memorial works with its family of neighborhood schools to focus on STEM for learners of all ages and the district's Creative Learning Initiative, which offers a quality arts-rich education to every child.

AISD has partnered with Johns Hopkins University to bring its nationally recognized Talent Development Secondary program to Eastside Memorial. With new models

for tracking students' progress, teachers identify students' strengths and opportunities for growth to prevent them from falling behind. A new freshman seminar focuses on study skills, leadership, community involvement, and social and emotional learning.

Eastside Memorial encourages all students to become leaders and champions for their communities. Student ambassadors tell their stories through their own perspective: We are the pride and promise of Eastside. Paws up!

Garza Independence High School (015)

Garza Independence High School provides an award-winning educational program that offers students personalized pathways to graduation through self-paced curriculum.

Garza is a school of choice for any student with 10 or more credits who has completed two full years of high school. Students may apply anytime, whether they are enrolled in school or are returning after a period of time.

Garza fosters a community of independence that empowers learners to achieve their greatest potential in an atmosphere of mutual respect and trust. The school challenges every student to learn, grow and prepare for a successful future today.

The U.S. Department of Education recognizes Garza among about 40 schools in the country that exemplify the best practices for improving outcomes for students who are at-risk.

An early leader in 21st-century learning, Garza has pioneered AISD's online educational opportunities. Throughout the district, high school students may earn select credits from Garza online with the permission of their home campus.

After students complete the graduation requirements to earn a high school diploma, the Garza community comes together to celebrate their accomplishments at a cheer-filled Star Walk through the school.

GPA at Navarro

The Graduation Preparatory Academy (GPA) at Navarro Early College High School is a unique educational setting that offers credit recovery and accelerated learning to students in a self-paced, non-traditional environment.

Through a variety of tech platforms (such as GradPoint, Compass and Edgenuity), students work toward fulfilling their potential, looking toward high school graduation and beyond.

Certified teachers and staff use a variety of districtwide resources such as Positive Behavior Intervention Supports and Social Emotional Learning for a whole child approach to teaching and learning. We're proud to be a part of Navarro Early College High School, the crown jewel of North Austin education.

Graduation Preparatory Academy (GPA)

The Graduation Preparatory Academy (GPA) at Travis Early College High School is designed to help students with credit recovery and acceleration.
The Graduation Preparatory Academy (GPA) provides a non-traditional setting with online curriculum and gives students an opportunity to work independently and advance at their own pace.

Dedicated faculty and staff provide a supportive and structured learning environment to meet each student's academic needs.

Graduation Preparatory Academy also provides a flex-schedule option aimed to support the needs of our working student population.

International High School (029)

Welcome. Ahlan wa sahlan. Bienvenidos. Hoan nghênh.

International High School welcomes the world's students to Austin. New Texans from Africa, Asia, Europe, the Middle East and the Americas begin their studies in a global community where every student is bilingual or multilingual.

International High School, which shares a campus with Eastside Memorial High School, prepares students to transition to public education in the United States and sets them on a course for success. The school offers flexible schedules, tutoring and programs to help students adapt to their new lives in America, while building the skills they need to succeed in college, career and life.

Educators, who are well-experienced in teaching students who speak English as a second language, work with students to develop individual academic plans with an emphasis on higher education. The school also offers extra-curricular activities, which help builds bonds among the global community of students.

After completing their studies, International High School celebrates the students' accomplishments at a bridging ceremony, high-energy festivities that mark the transition to their home high schools.

LBJ Early College High School (014)

At LBJ Early College High School, students are not only preparing for college tomorrow, they are attending college today. LBJ ECHS offers students the opportunity to graduate with a diploma in one hand and an associate's degree in the other—for free.

Through an exciting and innovative partnership with Austin Community College, every student—from an entering freshman to a graduating senior—has the opportunity to enroll in college-level classes. In addition to earning college credit, students are preparing to compete in the work force, while saving thousands of dollars in college costs.

LBJ ECHS is a tightly knit, vibrant community of learners and leaders in East Austin. The school offers a world of opportunities—from arts and athletics to health science and robotics—to help students achieve their greatest potential. They are home to rich and competitive academics, athletics and arts programs, including "The One, The Only," the highly decorated and world-traveling LBJ Jaguar Band.

LBJ ECHS offers career and technology classes in audio and video production, digital electronics and health sciences. The school offers exciting courses through Project Lead the Way, a national leader in science, technology, engineering and math programs. With a rigorous curriculum and higher education and industry partnerships, the program empowers students to solve complex problems in a real-world context, while developing the skills they need to succeed in the global economy.

As a school, LBJ's mission remains closely connected to its namesake, President Lyndon B. Johnson. His legacy—a vision for equity in education and dreams for social justice—are embodied in today's Jaguars.

Liberal Arts and Science Academy (LASA) (018)

The Liberal Arts and Science Academy is a community built on ideas, innovation—and an independent spirit. Consistently ranked among the best high schools in Texas and the United States, LASA offers a world-class education, rigorous curriculum and robust hands-on learning opportunities.

LASA creates a challenging yet nurturing environment for students to expand and deepen their understanding as they explore the range of their artistic and intellectual talents—from fine arts and philosophy to robotics and stem cell research.

By recruiting the most academically advanced students from public and private middle schools throughout the city, LASA is a diverse magnet school with scholars from every zip code in Austin. Diversity—in students and ideas—is critical to the academy's strength and success. Students excel on every level: in the classroom, on advanced placement exams and at state and national competitions such as the Science Olympiad, Siemens-Westinghouse and the Intel Science Fair.

LASA remains among the country's top-ranked schools for educating the brightest minds, while fostering the next generation of citizens and leaders—thinkers and doers who are prepared to help strengthen their communities and build a better world.

McCallum High School (005)

McCallum High School and Fine Arts Academy is located in the heart of north-central Austin. McCallum's inclusive culture provides equal access for all students on campus to explore a wide variety of challenging academic pathways, specialized fine arts courses, competitive sports teams and clubs for diverse interests.

Established in 1993 as AISD's districtwide fine arts intensive high school program, the Fine Arts Academy at McCallum High School provides an exemplary arts education program for ninth- through 12th-grade students to pursue an accelerated arts curriculum as fine arts majors.

Navarro Early College High School (004)

Navarro Early College High School in north Austin is committed to a culture of academic excellence with a tradition grounded in pride, respect and responsibility. The school is divided into three smaller learning communities, and each student is valued as an individual and has access to a broad base of opportunities. Academic and extracurricular programs, including fine arts and athletics, are competitive on the state and national levels. The highly skilled and educated faculty and staff have been consistent over the years in training top citizens and community leaders.

Early College High School builds on students' bilingualism, biliteracy and biculturalism through high-level cognitive instructional practice. Spanish-proficient students and/or students who completed AISD's PreK-8 Dual Language program are eligible for High School Dual Language. High School Dual Language students take 2 courses taught 100% in Spanish each year, compile and present a portfolio of their journey to bilingualism and biliteracy, and work toward the AISD Dual Language Seal of Biliteracy, a distinction recognized at graduation. Middle School Dual Language prepares high school students for success in high school, college, and life and gives students access to the myriad of benefits of being bilingual and biliterate.

A robust career and technology education program includes the W. Neal Kocurek Health Sciences Institute, which prepares students for careers in health-related fields as well as offers courses in cosmetology and media production.

Northeast Early College High School (006)

At Northeast Early College High School, students are not only preparing for college tomorrow, they are attending college today. Northeast offers students the opportunity to graduate with a diploma in one hand and an associate degree in the other—for free.

Through an exciting and innovative partnership with Austin Community College, every student has the opportunity to enroll in college-level classes. In addition to earning college credit, students are preparing to compete in the work force, while saving thousands of dollars in college costs.

Northeast ECHS is a diverse and closely-knit community of learners and leaders in northeast Austin. The school offers a world of opportunities—from arts and athletics to hospitality and health sciences—to help students achieve their greatest potential. Northeast offers career and technology classes and a path to industry certifications in the fields of audio and video production, engineering and health sciences. The school offers exciting courses through Project Lead the Way, a national leader in science, technology, engineering and math programs.

With a rich tradition and a motto of "Not without honor," Northeast is home to vibrant and competitive arts and athletics programs, including the award-winning marching band and the beloved football team, which *Sports Illustrated* featured as one of its nationally inspiring "Underdogs."

Working with families and community partners, Northeast stands at the forefront of an innovative new movement for equity and excellence in education: the community schools model, which recognizes all children have the potential to meet high expectations in the right environment. Northeast ECHS is part of the Northeast Austin Communities for Educational Readiness (learn more at www.nacer.org).

Travis Early College High School (007)

Travis Early College High School has a rich history of serving students in South Austin since it opened in 1953 as Austin's first high school south of the Colorado River. Travis High School welcomes students with a faculty and staff dedicated to student success. Diverse academic offerings, strong athletics and fine arts programs, and other extracurricular activities provide students with a range of opportunities to pursue their interests. The school offers exciting courses through Project Lead the Way, a national leader in science, technology, engineering and math programs.

In addition to offering more than a dozen Career and Technical Education courses, Travis is also the district's newest Early College High School. This partnership with

Austin Community College provides students with the opportunity to earn an associate degree while still in high school. Travis students come from diverse ethnic and socioeconomic backgrounds to achieve academic excellence and pursue their passions, consistently placing among the best in the state in the arts and athletics.

Early College High School builds on students' bilingualism, biliteracy and biculturalism through high-level cognitive instructional practice. Spanish-proficient students and/or students who completed AISD's PreK-8 Dual Language program are eligible for High School Dual Language. High School Dual Language students take 2 courses taught 100% in Spanish each year, compile and present a portfolio of their journey to bilingualism and biliteracy, and work toward the AISD Dual Language Seal of Biliteracy, a distinction recognized at graduation. Middle School Dual Language prepares high school students for success in high school, college, and life and gives students access to the myriad of benefits of being bilingual and biliterate.

Section I: General Information for Success in Secondary School

Success in middle and high school requires planning and lots of hard work. This section of the Secondary School Information Guide is intended to answer many of the questions students and their parents have about planning for graduation and the rules and procedures followed by schools in AISD.

Use this guide to help select middle- and high-school courses. Many courses are required and there are also many enjoyable and enriching electives. Choose your courses carefully, plan to work hard, and become involved in extracurricular activities.

Academic and Career Planning

Academic and career planning is an ongoing process for students in AISD. To help students determine their career goals and prepare for selecting a high-school endorsement, counselors present guidance and career-planning activities each year to students in prekindergarten through 11th grade. Objectives of these lessons are to expose students to career pathways, explore career interests through career inventories, learn about post-secondary education options, and plan courses they might take to meet graduation requirements and, ultimately, to determine their career goals.

Students are taught a minimum of one career lesson each year by elementary counselors in prekindergarten through fourth grade. Students become familiar with the characteristics of jobs and careers and begin to explore the world of work. They also investigate their personal interests and start to make connections between these interests and future plans for school and work. In fifth grade, students complete an interest inventory and seek to relate these interests to classes they may take in middle school. They are also introduced to the concept of endorsements and analyze how these endorsements intersect with their interests. In addition, students receive information about the personal financial benefits of post-secondary education along with ways to fund post-secondary schooling.

Students in grades six through eight utilize a web-based career interest program called Naviance. Students complete career-interest assessments, learn about careers and post-secondary education, and begin to plan their high school courses.

The prescribed level of achievement for all AISD students is the Foundation High School Program plus Distinguished Level of Achievement. Students must declare one or more endorsements upon entering ninth grade. An endorsement is required to graduate with the Distinguished Level of Achievement recognition. Eighth-grade students select courses in TEAMS based on their intended endorsement.

Parents can review the results of their student's work and course selections on Naviance Family Connection. Contact your student's counselor or ADVANCE college/career advisor for more information about this program.

In grades nine through 12, students utilize Naviance for continued college and career planning and course selections. Listed below are recommended counselor led activities by grade level:

- Ninth-grade students complete the Career Cluster Finder and the Career Interest Profiler assessments, explore careers and clusters and can view the Roadtrip Nation interview archive. Students will have the option to research and add three careers to their favorites based on the results of their interest inventories. Students can research colleges and add at least three that they are considering attending. Students can also begin building their resumé in Naviance.
- Tenth-grade students complete the Strengths Explorer assessment, explore careers and clusters and can view the Roadtrip Nation interview archive. Students will have the option to research and add three careers to their favorites based on the results of their interest inventory. Students can research colleges and add at least three that they are thinking about attending. They can also update their resumé in Naviance. 10th graders will also review their PSAT score results and potential to enroll in advanced courses
- Eleventh-grade students will continue to research careers and colleges, including college majors, and update their favorite careers and colleges they are thinking about attending. They may also update resumés.
- Twelfth-grade students will add at least four colleges to Colleges I'm Applying To and complete college applications, both the Common App and Apply Texas. Seniors receive support with resumés, letters of recommendation, and application materials.

Parents and Families Can Help

Parents and families play an influential role in helping their child plan, prepare and develop post-secondary and career plans. Parents should:

- Learn graduation plan requirements and be sure that the student meets them.
- Encourage students to take a language other than English.
- Make sure students select courses that help them meet their educational and career goals.
- Encourage students to take Advanced Placement courses and dual credit courses to earn college credit while still in high school.
- Help students to learn about colleges and careers that interest them.
- Encourage eligible students to continue with Dual Language through graduation to develop their bilingualism, biliterateracy, and biculturalism and earn the AISD Dual Language Seal of Biliteracy.
- Encourage your student to be involved in at least one extracurricular activity. Students who are involved in after-school (extracurricular) activities are often more successful in school. AISD offers clubs, teams and other opportunities for learning academic and social skills, making friends and developing leadership skills.

Standardized Testing

Standardized tests are administered periodically to all students to evaluate knowledge gained over a given period and to assess the effectiveness of the curriculum. The Texas Education Agency has established times at which tests are given and AISD provides guidelines for using the results. For all other students, the following state-mandated tests apply:

Grade Six:

STAAR (State of Texas Assessment of Academic Readiness), STAAR-Alternate 2: Math and Reading

TELPAS for LEP students

Grade Seven:
STAAR (State of Texas Assessment of Academic Readiness), STAAR-Alternate 2: Math, Reading and Writing
TELPAS for LEP students
Grade Eight:
STAAR (State of Texas Assessment of Academic Readiness), STAAR-Alternate 2: Math, Reading, Social Studies and Science
TELPAS for LEP students
Grade Nine:
TELPAS for LEP students
Grade 10:
TELPAS for LEP students
Preliminary Scholastic Aptitude Test (PSAT)
Grade 11:
TELPAS for LEP students
Preliminary Scholastic Aptitude Test (PSAT)
ACT or SAT: recommended
Grade 12:
TELPAS for LEP students
ACT or SAT: recommended

Any sixth, seventh, or eighth grade student taking a high-school-level course for which there is a STAAR End-of-course (EOC) assessment must also take that specific EOC assessment. Students who entered ninth grade for the first time during or after the 2011-12 school year will take one state-mandated EOC assessments for each course in which they are enrolled. The following subjects have STAAR EOC assessments: English I, English II, Algebra I, Biology, and U.S. History. Refer to Appendix F for AISD Graduation Plans and STAAR/EOC Requirements.

Section 504 Services

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (Amended Act 2008) are non-discrimination statutes enacted by the U.S. Congress. The purpose of which is to prohibit discrimination and to ensure that students with disabilities are given a free appropriate public education (FAPE) which provides educational opportunities and benefits equal to those provided to other students. An eligible student under Section 504 is a student who has a physical or mental impairment that substantially limits them in one or more a major life activity such as learning, self-care, walking, seeing, hearing, speaking, reading, concentrating, breathing, working and performing manual tasks. See the Section 504 Resource Guide (English) or (Spanish) for more information about eligibility and services for qualifying students.

Special Education Services

Special education and related services are specifically designed instructional services developed to support students with disabilities within the general education and dual language curriculum. The intent of the support services is to enable all students with disabilities to make progress in the general education and dual language curriculum, to participate in extracurricular and nonacademic activities, and to be educated and participate with non-disabled peers in the public-school system. Dual Language Programming is shown to benefit all students. Many Special Education students choose to participate in Dual Language and thrive with this opportunity. Spanish-speaking Emergent Bilingual Special Education students, in particular, often see great benefits to learning in their home language.
AISD is committed to meeting the needs of students who have cognitive, physical, emotional or learning differences. Each campus utilizes a child study team that meets to discuss and recommend intervention strategies through general education programming. Students who are referred for special education support and services must participate in an evaluation process with formal notice and consent of parents. If evaluation information shows eligibility for special education support and services, an Admission, Review and Dismissal (ARD) committee develops an appropriate educational program for each student.

An ARD committee includes:

- The student and their parent;
- District representative;
- Evaluation representative;
- At least one of the student's general education teachers;
- A special education teacher (the child's disability may require a teacher certified in a specific area, such as visual or auditory impairment);
- Related services provider, if required;
- Language Proficiency Assessment Committee representative, if required;
- Career and Technical Education representative, if CTE is being considered for the student.

The program developed by the ARD Committee is referred to as an Individualized Education Program (IEP). The IEP is implemented in the least restrictive environment appropriate for the student.
The student and parents have legal rights under the Individuals with Disabilities Education Act (IDEA) that are outlined in the Procedural Safeguards. Parents also receive information from TEA in the booklet, "A Guide to the Admission, Review and Dismissal Process." Information about these rights are provided and explained to parents and/or adult students at least once per year, and:

- When a student is initially referred for evaluation;
- When requested by parent;
- At the initial filing of a due process hearing.

Graduation Requirements for Students Receiving Special Education Services, Texas Administrative Code 89.1070
A secondary program for students with disabilities will terminate when the student graduates or when the student no longer meets the age requirement for eligibility. A student with disabilities who has not reached his or her 22nd birthday on September 1 of a scholastic year shall be eligible for services through the end of that scholastic year or until graduation. Graduation constitutes a release from services and is a change in placement.
A student receiving special education services may graduate and be awarded a high school diploma if:

1. The student has satisfactorily completed the state's or district's (whichever is greater) curriculum and credit requirements for graduation applicable to students in general education, including satisfactory performance on the exit-level assessment instrument; or
2. The student has satisfactorily completed the state's or district's (whichever is greater) minimum curriculum and credit requirements for graduation applicable to students in general education. ARD has determined that satisfactory performance on the required state assessments is not necessary for graduation.
3. A student receiving special education services may also graduate and receive a regular high school diploma when the student's ARD committee has determined that the student has successfully completed:

a. The state's or district's (whichever is greater) minimum credit requirements for students without disabilities with modifications.
b. The student's Individualized Educational Plan (IEP) and met one of the following conditions:
    i. Full-time employment, based on the student's abilities and local employment opportunities, in addition to sufficient self-help skills to enable the student to maintain the employment without direct and ongoing educational support of the district.
    ii. Demonstrated mastery of specific employability skills and self-help skills which do not require direct ongoing educational support of the district; or
    iii. Access to services that are not within the legal responsibility of public education, or employment or educational options for which the student has been prepared by the academic program.
c. Participated in the most appropriate state assessment as determined by ARD, and ARD has determined if satisfactory performance on state assessments is necessary for graduation.

4. A student receiving special education services may also graduate and receive a regular high school diploma upon the ARD committee determining that the student no longer meets age eligibility requirements and has completed the requirements specified in the IEP.

Information regarding Senate Bill 673: A school district shall issue a certificate of attendance to a student who receives special education services and who has completed four years of high school but has not completed the student's IEP. This bill does not preclude a student from receiving a diploma once the IEP has been completed. The district shall allow a student who receives a certificate of attendance to participate in a graduation ceremony. A student may participate in only one graduation ceremony under this new subsection.

Emergent Bilingual and English as a Second Language (ESL) Services

Multilingual Education Services

All Austin ISD campuses serve multilingual students through a variety of language programming. AISD's student population is rich in cultural and linguistic diversity. The district embraces an asset-based lens with all students from the moment they join our community. Among AISD's multilingual students are Emergent Bilingual students. Emergent Bilingual students are students who are working toward advanced English language proficiency in reading, writing, speaking and listening, including students born in the United States and recent immigrants. Emergent Bilingual students receive instruction and support that focuses on their strengths and their journey to add more languages to their linguistic repertoire. For example, at the middle school and high school level, AISD offers ESL classes, Dual Language classes, and World Language classes to support the multilingual journey.

English as a Second Language

In Middle School, all Emergent Bilingual students take English Language Arts with a teacher certified in English as a Second Language. Students in ESL classes develop their abilities to listen, speak, read, and write in English. Many campuses offer an additional ESL reading class for Emergent Bilingual students to develop their English language and literacy skills. Emergent Bilingual students should be placed in content courses with teachers trained in the implementation of Culturally Sustaining Sheltered Instruction that supports language acquisition while emphasizing the value of the linguistic and cultural resources students bring to school.

The high school language arts curriculum provides English for Speakers of Other Languages (ESOL I and ESOL II) classes for Emergent Bilingual students. ESOL I and ESOL II serve as students' English Language Arts credit course. High School campuses may offer an additional English Language Development and Acquisition (ELDA) course for Emergent Bilingual students. This course enables students to become increasingly more proficient in English in reading, writing, speaking, and listening while focusing on developing the building blocks of literacy for newly arrived and/or preliterate students.

Dual Language

Austin ISD's Secondary Spanish/English Dual Language program is an inclusive experience for Spanish speakers who meet one or both of these criteria:

- Completed Austin ISD's K-5 or K-8 Spanish/English Dual Language Program or
- Demonstrate Spanish Proficiency

Dual Language middle school and high school students take a minimum of two classes taught 100% in Spanish each year including one content course in Spanish and one advanced Spanish language course. Middle school Dual Language students can earn up to 4 high school credits and, upon completion of the AP exam in 8th grade, up to 12 college credits.

- Middle School Spanish Language course sequence
    - 6th grade: Spanish for Spanish Speakers 3A
    - 7th grade: Spanish for Spanish Speakers 3B
    - 8th grade: AP Spanish Language and Culture
- High School Spanish Language recommended course sequence
    - Latin American Studies
    - Advanced 5/Spanish 5
    - Cine Las Americas
    - Advanced Language and Career Applications

Dual Language High school students complete coursework and design and present a portfolio of their journey to bilingualism and biliteracy to earn the AISD Dual Language Seal of Biliteracy, an accomplishment recognized at graduation.

World Languages (LOTE)

World Languages is also a program that supports students in their multilingual journey. AISD provides opportunities for learning in 11 different languages. For more information about specific languages and course offerings, please see pps. 131-135.

Emergent Bilingual Students Served by Special Education

Emergent Bilinguals who receive special education services have special education needs related to a disability as well as needs related to second language learning. It is important for the Admission, Review and Dismissal (ARD) committees and Language Proficiency Assessment committees (LPAC) to work together to ensure that instruction is tailored to meet each student's linguistic and special education needs. ARD and LPAC committees should keep in mind that Emergent Bilinguals receiving special education services who participate in STAAR administrations may also be eligible for other accommodations in addition to the linguistic accommodations that are determined to be appropriate.

Dual Language programming is shown to benefit all participating students. Many Special Education students choose to participate in Dual Language and thrive in this opportunity. Spanish-speaking Emergent Bilingual Special Education students see great benefits to learning in their home language.

Special Programs in Austin ISD

Gifted and Talented (GT) Services

GT students receive services for GT STEM (Science and/or Mathematics) and GT Humanities (Language Arts and/or Social Studies). Elementary GT services are provided within a cluster-grouping model, in which small groups of GT students are assigned to GT-trained teachers. Secondary students must enroll in one or more advanced-level courses in the area(s) for which they are GT-identified. Advanced-level courses include Advanced, Advanced Placement, Magnet courses, International Baccalaureate, and select advanced-level CTE courses.

Talent Explore

Talent Explore supports high-ability students who are screened for GT and do not qualify. Students are identified for Talent Explore STEM (Science and/or Mathematics) or Talent Explore Humanities (Language Arts and/or Social Studies) and are cluster-grouped with GT students.

Virtual Education Programs

The Virtual School Program (VSP) is a non-traditional, home-based academic program that is available to juniors and senior high school students. The goal of the program is to provide academic opportunities for students who are unable to participate in a traditional classroom setting most often because they are parents and/or must work full-time for economic reasons. Virtual School students earn academic course credits to meet high school graduation requirements. To be considered for the VSP, a student must enroll at an AISD high school campus, be referred by a campus staff member and go through a brief interview process. VSP utilizes the same on-line curriculum as the DELTA Program.

Virtual Education for Teen Parents

Virtual Education for Teen Parents (VETP) is a non-traditional, home-based program for pregnant and parenting teens grades nine through 11. The program allows teens the option to earn academic credits while securing appropriate child-care services. To be considered for the VETP Program, a student must enroll at a high school campus, be referred by a campus staff member, and go through a brief interview process. VETP utilizes the same Edgenuity on-line curriculum as the DELTA and VSP Programs.

Students must be enrolled at an AISD high school campus and apply for admission to VSP and VETP, and upon acceptance, an academic plan is developed. VSP and VETP students spend two to four hours daily completing self-paced lessons at home on an Internet-ready laptop assigned to them. Specially trained VSP and VETP teachers meet with students twice per week for a total of five hours. Like DELTA, these programs are open- entry/open- exit programs. Contact your high school counselor, or registrar for additional information, or call the Virtual Programs office at 512-414-0148.

Homebound Program

The Homebound Program provides home-based instructional services for students confined to home or a hospital for medical reasons. A student qualifies for Homebound services if for medical reasons he/she is expected to be confined at home or hospital bedside for a minimum of four weeks and has a medical condition documented by a physician licensed to practice in the United States. If you have questions about the Homebound Program, contact the school nurse or the Homebound Office at 512-414-0184.

Pregnancy Related Services (PRS)

During pregnancy and after delivery, a student is eligible for instructional support services to stay on track in their academic courses. Services are provided when a student is: pregnant and attending classes on a campus; confined to home due to medical complications; confined during the six weeks postpartum period. For more information about PRS, contact the school nurse or the PRS Office at 512-414-0184.

Middle School Dual Language

Middle school Spanish-proficient students and/or students who have participated in AISD's K-5 Dual Language Program are eligible and encouraged to continue their Dual Language education in middle school. At the middle school level, Dual Language students take two courses that are taught 100% in Spanish, including one content course (Math, Science, or Social Studies) and one advanced Spanish language course. Participation in the Dual Language program will require that Spanish language courses be one of students' elective courses. For more information, contact the Multilingual Education team at 512-414-4734 or aisdmultilingual@austinisd.org.

Work/Study Classes

High school academic courses are combined with vocational training and job experiences that develop employment potential. The Vocational Adjustment Coordinator (VAC) teaches and oversees the two-phase work/study class.

1. Occupational prep class, where students learn skills and attitudes required to obtain and keep a job.
2. Vocational experience class, where students continue required high school coursework and utilize skills introduced during the classroom phase while employed in the community.

Supported Employment

Supported Employment assists students with developmental disabilities in securing paid employment. Supported Employment provides assessments, job training and on-site job coaching as needed for the employee and employer.

The goals for Supported Employment are that students will:

- Have paid employment in their last year of school;
- Continue the jobs after graduation with supports from adult service agencies or natural supports on the job.

GO Project

The AISD GO Project is a community-based program for students ages 19-21 who have significant disabilities. The GO project enables students to move beyond a high school setting and finish their educational program in a college or work environment. Students must have completed all credit requirements for graduation before being accepted into the GO Project as well as completing the application process. The program promotes developing skills for independent living; continuing education; post graduate supports and social and recreation options. The GO Project coordinator should be contacted at Rosedale 512-414-3617 for information about the GO Project and the application process.

Early College Programs

Early College High Schools (ECHS)

Early College High Schools: Crockett, Eastside, LBJ, Navarro, Northeast, Travis, Akins
Higher Education Partner: Austin Community College
ECHS are innovative high schools that allow students least likely to attend college an opportunity to earn a high school diploma and 60 college credit hours. ECHS:

- Provide dual credit at no cost to students;
- Offer rigorous instruction and accelerated courses;
- Provide academic and social support services to help students succeed;
- Increase college readiness;
- Reduce barriers to college access.

Grade Eligibility: 9th through 12th.
Prerequisites: Passing TSIA2.

Pathways in Technology Programs

Pathways in Technology Early College High Schools (P-Tech) is an open-enrollment program that provides students with work-based education. P-Tech programs:

- Provide students grades 9 through 12 the opportunity to complete a course of study that combines high school and post-secondary courses.
- Within four years, enable students to earn a high school diploma, an associate's degree, a two-year post-secondary certificate or industry certification, and complete work-based training.
- Allow students to gain work experience through an internship, apprenticeship, or other job training programs.

Partner with Texas Institutions of Higher Education and regional businesses and industries, giving students access to post-secondary education and workforce training opportunities.

Grade Eligibility: 9th through 12th.
Prerequisites: Passing TSIA2.

T- STEM (TEXAS SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS)

Texas Science, Technology, Engineering and Mathematics (T-STEM) Blueprint provides foundational principles and standards for innovative partnerships with business and industry and colleges and universities. The Texas Education Agency (TEA) provides technical assistance to promote implementation of the T-STEM model with fidelity.

- Provide dual credit at no cost to students;
- Offer rigorous instruction and accelerated courses;
- Provide academic and social support services to help students succeed;
- Increase college readiness;
- Primary focus is to support students interested in STEM
- Reduce barriers to college access.

Partner with Texas Institutions of Higher Education and regional businesses and industries, giving students access to post-secondary education and workforce training opportunities.

Grade Eligibility: 9th through 12th.
Prerequisites: Passing TSIA2. Earning a grade of "B" or better in Principles of Applied Engineering Course in 9th Grade

Akins, Eastside, Navarro, Northeast, Crockett, LBJ, Travis ECHS

Program: General Studies
Industry Partner:
Higher Ed Partner: ACC

Program	**Associates in General Studies – Early College High School**
Description	The Early College High School program at Akins High School was established in the 2019-2020 school as the school's 7th Academy (a school within a school model). It provides an opportunity for students to obtain a two-year transferable college degree while in high school at **NO COST** to the student or family. Students can earn up to 60 FREE college credits that also satisfy the high school requirements (dual credit). Students can earn an Associate of Arts degree and complete all the high school requirements by the time they graduate from Akins High School. The Common Application for Schools of Choice is open to current 8th graders (to be 9th graders in 2022-2023) and current 9th graders (to be 10th graders) that have transferable courses from ECHS or other Dual Credit programs. Students will take courses with campus faculty and ACC. Students will begin working with, and take classes on, our college partner as part of their high school plan.
Grade Eligibility	Grade levels 9-12 (began in 2019-2020 with 9th and 10th grades)
Program Eligibility	Apply using the Common Application with School of Choice. Students do NOT have to pass the TSIA2 for entrance, but must be TSI met to take college-level courses
Prerequisite	None.
Degree or Certification	Associate of Arts in General Studies

Akins ECHS

Program: Tomorrow's Teachers and Real Estate
Industry Partner: School Districts and Austin Board of Realtors
Higher Ed Partner: ACC

Program	**Tomorrow's Teachers – P-TECH; partnered with districts such as Austin ISD**
Description	Akins Early College High School will start a new program called Tomorrow's Teachers for the 2020-2021 school year. Our goal is to have 9th grade students who are highly motivated and ready to start an accelerated pathway on becoming Texas certified teachers within 5-6 years (4 years of high school and 1-2 years of university) instead of going through the traditional track that takes 4 years of high school and 4 years of university. Students will take courses with Akins faculty and ACC. Students will also work with our partnered districts as part of their high school plan. It is our plan to have field visits, field trips, and industry-focused experiences for students. Students will have priority interviewing and hiring opportunities with partner districts at an earlier stage than most college candidates.
Grade Eligibility	Grade levels 9-12 (beginning in 2020-2021 with 9th grade)
Program Eligibility	Apply using the Common Application with School of Choice. Students do NOT have to pass the TSIA2 for entrance, but must be TSI met to take college-level courses
Prerequisite	None.
Degree or Certification	Associate of Arts in Teaching https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=1665982&type=d&pREC_ID=1815394

Program	**Real Estate – P-TECH; partnered with Austin Board of Realtors (ABOR)**
Description	Starting in 2020-2021, Akins Early College High School and the Austin Board of Realtors (ABOR) will start a real estate program for students interested in becoming certified agents or part of the industry. This is a great opportunity for our students in a very demanding housing market. Students will be taking dual credit courses at Austin Community College. Students will take courses with Akins faculty and ACC. Students will begin courses with our partners in the middle of their high school plan. It is our plan to have field visits, field trips, and industry-focused experiences for students.
Grade Eligibility	Grade levels 9-12 (beginning in 2020-2021 with 9th grade)
Program Eligibility	Apply using the Common Application with School of Choice. Students do NOT have to pass the TSIA2 for entrance, but do need to take college-level courses.
Prerequisite	None.
Degree or Certification	Associate of Applied Science in Real Estate https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=1663640&type=d&pREC_ID=1812762

Anderson High

Program: Engineering Technology Academy (T-STEM)
Industry Partner: Multiple Industry Partners
Higher Ed Partner: ACC

Program	**Engineering Technology Academy(T-STEM)**
Description	Developed for students with an interest in the field of engineering. Students will have the opportunity to receive an Associate of Science in Engineering, students must: make a minimum grade of C in all required math and science courses and have an overall GPA of 2.0 or greater. The Associate of Science in Engineering is intended to match closely the curriculum of the first two years of study in most university engineering programs. Students enrolled in the Academy at Austin Community College can apply for the Texas A&M-Chevron Engineering Academy. Supported by Chevron, the Academy provides talented students an opportunity to pursue their engineering degree in a co-enrollment program between Texas A&M and ACC.
Grade Eligibility	10th and 11th grade students
Program Eligibility	Apply using the Common Application with School of Choice. Students do NOT have to pass the TSIA2 for entrance, but must be TSI met to take college-level courses
Prerequisite	Passing TSI scores
Degree or Certification	Associate of Science degree, Engineering Technology, Level 2 Certificate

Travis ECHS

Program: Hospitality Management P-TECH
Industry Partner: Visit Austin
Higher Ed Partner: ACC

Program	**Hospitality Management P-TECH**
Description	This P-TECH program is designed to prepare students to enter the hospitality field. This program engages student in work experiences to enrich their high school and college academic work. Students receive training and guidance from experts in culinary and hotel career fields.
Grade Eligibility	Incoming 9th Graders
Program Eligibility	TSI not required; however, it is recommended for ACC credit.
Prerequisite	Learn to Code 1, Learn to Code 2, Learn to Code 3 (Recommended).
Degree or Certification	This program is a component of the ACC Computer Science AAS degree path. Certification as an Apple Developer.

Crockett ECHS

Program: Construction Technology
Industry Partner: Multiple Industries
Higher Ed Partner: ACC

Program	**Construction Technology P-TECH**
Description	Crockett ECHS P-Tech construction program offers students the opportunity to complete college courses towards an ACC Carpentry Specialization Level 1 Certificate or a Construction Management Associate of Applied Science degree. The program provides learning opportunities for students using professional equipment in the following areas: Hands-on instruction in carpentry, construction methods, mechanical, plumbing and electrical fields; skills including blueprint reading and cost estimating; skills in managing projects. There is no cost to the student for dual credit college courses completed toward AISD graduation requirements. Students may transfer to Crockett HS to participate in the program.
Grade Eligibility	Incoming 9th Graders
Program Eligibility	Apply using the Common Application with School of Choice. Students do NOT have to pass the TSIA2 for entrance, but must be TSI met to take college-level courses.
Prerequisite	None.
Degree or Certification	Carpentry Specialization Level 1 Certificate or a Construction Management Associate of Applied Science Degree.

LBJ ECHS

Program: Health Careers
Industry Partner: Seton Family Healthcare
Higher Ed Partner: ACC

Program	**Health Careers P-TECH**
Description	This P-TECH program is designed to prepare students to enter the medical field. This program engages student in work experiences to enrich their high school and college academic work. Students receive training and guidance from experts in the health career fields.
Grade Eligibility	Ninth-grade students
Program Eligibility	Any student interested in the field of Health Sciences
Prerequisite	Passing TSI scores
Degree or Certification	Associate of Applied Sciences degree. Students may also be able to earn Level 1 and/or Level 2 certificates.

Navarro ECHS

Programs: Computer Programming and UX Design P- TECH
Industry Partner: IBM
Higher Ed Partner: ACC

Program	**Computer Programming P-TECH partnership with IBM**
Description	This program consists of rigorous educational opportunities that are connected to the area's labor market demands and in particular to IBM's computer and IT needs. With the help of an IBM-provided liaison, students take part in articulated, ACC courses that lead to an AAS in Computer Programming by the time they graduate from high school. Students also bolster their career readiness through mentoring, work-based education and internships. Successful completion of the program ensures that students graduate with the skills necessary to be the first-in-line for interviewing for appropriate jobs at IBM.
Grade Eligibility	Program begins fall semester of ninth grade.
Program Eligibility	Apply using the Common Application with School of Choice. Students do NOT have to pass the TSIA2 for entrance, but must be TSI met to take college-level courses
Prerequisite	None.
Degree or Certification	Associate of Applied Science: Computer Programming degree.

Program	UX Design P-TECH partnership with IBM
Description	This program consists of rigorous educational opportunities that are connected to the area's labor market demands and in particular to IBM's computer and IT needs. With the help of an IBM-provided liaison, students take part in articulated, ACC courses that lead to an AAS in User Experience Design by the time they graduate from high school. Students also bolster their career readiness through mentoring, work-based education and internships. Successful completion of the program ensures that students graduate with the skills necessary to be the first-in-line for interviewing for appropriate jobs at IBM.
Grade Eligibility	Program begins fall semester of ninth grade.
Program Eligibility	Apply using the Common Application with School of Choice. Students do NOT have to pass the TSIA2 for entrance, but must be TSI met to take college-level courses
Prerequisite	None.
Degree or Certification	Associate of Applied Science: User Experience Design

Northeast ECHS

Program: Cybersecurity
Industry Partner: Dell Technologies
Higher Ed Partner: ACC

Program	Cybersecurity P-TECH
Description	Northeast ECHS is leading central Texas in creating a program in information technology that focuses on cybersecurity. This P-TECH program at Northeast ECHS is designed to provide students with free college classes at ACC, experience being mentored by a Dell professional in the information technology field, and the opportunity to earn an associate's degree in computer science. While completing classes, students will also be able to obtain industry certifications that will allow them to work immediately after high school.
Grade Eligibility	Ninth-and tenth grade students
Program Eligibility	Any student interested in the field of Information Technology.
Prerequisite	Apply using the Common Application with School of Choice. Students do NOT have to pass the TSIA2 for entrance, but must be TSI met to take college-level courses
Degree or Certification	Associates of Applied Science Degree in Local Area Network System. Students may also be able to earn Level 1 and/or Level 2 certificates.

Section II: Middle School Information and Course Descriptions

Middle-level Education Mission: Our Loftiest Aspiration

The mission of middle level education, where children explore and discover their unique identities, is to ensure all students demonstrate high academic achievement and develop confidence and character to succeed in high school and beyond. This is accomplished by:

- Engaging students in rigorous, relevant, world-class curriculum and instruction;
- Fostering meaningful relationships;
- Encouraging respect and appreciation of diversity;
- Promoting civic engagement;
- Supporting students' intellectual, physical, social, and emotional well-being.

Middle-level Education Strategies

1. We will develop, recruit, support, retain and recognize high-quality principals, teachers and staff at every middle school to ensure that every student has a quality education.
2. We will implement a rigorous, relevant, world-class curriculum and ensure that teachers have the professional development necessary to consistently apply best instructional and assessment practices.
3. We will develop a comprehensive plan in partnership with outside resources and agencies to support at-risk students and families to increase student attendance and reduce barriers to learning.
4. We will promote healthy lifestyles and safe learning environments at every middle school to ensure that students are fit, healthy and ready to learn.
5. We will integrate, model, reinforce and assess the character attributes established in the AISD Social Emotional Learning Program at every middle school.
6. We will design middle-level learning environments that foster relationships and smaller learning communities addressing such needs as facility use, staff organization, career exploration and project-based learning.
7. We will identify and implement effective academic support and interventions for underachieving students.
8. We will create and implement effective transition programs for entering and exiting middle schools.
9. We will foster an environment that builds on the linguistic and cultural strengths and diversity of our students through culturally sustaining sheltered instruction which includes asset-based language acquisition educational experiences.

AISD middle schools serve students in grades six to eight. These schools are designed to meet the needs of young adolescents. Most middle schools are organized in "teams" of teachers and students. Each student is assigned to a team of four core-area teachers and others who work closely with the team and its students. Teaming allows better communication and support, as well as more individual attention for all students.

Curriculum at a Glance

AISD provides middle school students a well-balanced curriculum that exceeds the requirements of the Texas Education Agency (TEA). The AISD academic program offers all students the same basic course of study. Students in grades six through eight are required to take core courses in English/language arts, mathematics, science, social studies, physical education, and fine arts.

- Core classes, English/language arts, Science, social studies & math are required every year.

- Students required to take a total of four semesters of physical education, including at least one semester of physical education per year. Students in grade 6 shall be encouraged to take two semesters of physical education
- Student completes one Texas Essential Knowledge and Skills-based fine arts course in grade 6, grade 7, or grade 8.
- Dual Language students take two courses each year taught entirely in Spanish including one advanced Spanish language course and one content course (Math, Science, or Social Studies) in Spanish.

During the middle school years, students need to broaden their academic and career options and develop the foundation needed for success in high school. In addition to the required courses, students choose optional courses (electives) in fine arts, languages other than English, as well as courses that explore areas of student interest, or the student may take additional physical education courses. Specific required and elective courses may vary from school to school.
Middle schools offer Advanced courses in English, mathematics, science and social studies, as well as other services to gifted and talented students. These courses provide additional challenges within the traditional program of instruction. Any student with the interest, ambition, and motivation to enroll in one or more advanced academic courses may do so with parent permission. Many middle schools also offer selected courses for high school credit.

Most Middle Schools offer Dual Language programming which offers high academic coursework and supports students' work toward biliteracy, bilingualism, and biculturalism. Middle school Dual Language students take a minimum of two classes taught 100% in Spanish each year including one content course in Spanish and one advanced Spanish language course. Middle school Dual Language students can earn up to 4 high school credits and, upon completion of the AP exam in 8th grade, up to 12 college credits.

Middle School Grade Promotion

To be promoted from one grade to the next, a middle school student must:

- Have an overall grade average of 70; and
- Attain an average of 70 or above in three of the following subjects: language arts, mathematics, social studies and science.

Students Success Initiative: Enacted by the 76th Texas Legislature (1999), the Student Success Initiative (SSI) mandated the following passing standards: reading and mathematics tests at grade five and reading and mathematics tests at grade eight. As specified by these requirements, a student may advance to the next grade level only by passing these tests or by unanimous decision of his or her GRADE committee that the student is likely to perform at grade level after accelerated instruction. The goal of the SSI is to support on grade level academic achievement for every student.
Students in grades five through eight who fail any state-required assessment may be required to complete accelerated instruction in the subject not passed as a condition of promotion. If a campus or GRADE committee requires accelerated instruction, the student shall not be promoted unless the student completes the required accelerated instruction.

Middle School Accelerated Math Courses

At each middle school grade level, students have the opportunity to take advanced courses in mathematics. Sixth and seventh graders may enroll in Accelerated Mathematics courses where all middle school math TEKS are taught in two years. Successful completion of Accelerated Math 6 and Accelerated Math 7 will prepare students to take Algebra I in grade eight. The decision to take accelerated mathematics course in middle school should be made after careful analysis of your child's ability to collaborate with others, be creative when solving problems, be a critical problem solver, and communicate with others in written and verbal form. The district will be using several tools to identify students who should be enrolled in accelerated mathematics courses. Including teacher recommendations, and performance tasks and assessments. Sixth and seventh students are able to enroll in accelerated grade courses that embed the next grade level student expectations in the current grade level material.
The testing information for Accelerated Math is as follows:

- Accelerated Math 6th Grade: 6th Grade STAAR
- Accelerated Math 7th Grade: 8th Grade STAAR

Each of these courses require students to grasp math concepts quickly and at deep levels, work collaboratively and efficiently, and be critical problem solvers. Consequently, the district has created criteria for placement in these courses. Additional information may be obtained from your campus counselor.

High School Courses Taken in Middle School

Some courses taken in middle school may count toward the high school graduation requirements. Examples of these courses are Algebra I, Geometry, Algebra II, Integrated Chemistry and Physics, and Languages Other than English (LOTE). CTE courses that may count toward the high school graduation requirement are Professional Communications (speech), Principles of Business, Marketing & Finance, Business Information Management I, Touch System Data Entry, Principles of Arts, A/V Technology & Communications, Principles of Education, Principles of Manufacturing, Principles of Applied Engineering, Principles of Hospitality & Tourism, Gateway to Technology I, II, III, IV (PLTW), Principles of Information Technology, Principles of Human Services, Fundamentals of Computer Science, Lifetime Wellness and Nutrition, Introduction to Culinary Arts, Principles of Constructions, Principles of Agriculture, Food and Natural Resources, Robotics I, Digital Media and other approved CTE courses. There are no non-credit high school CTE courses. Students in grades seventh through eight who are also enrolled in a high school course will take the corresponding STAAR EOC assessment as required for graduation.

Students must complete the same level and discipline to satisfy 1.0 unit of LOTE credit. Students must complete part A (part one of a two-part course) and part B (part two of a two-part course) to earn one high school credit which will satisfy one year of Languages Other Than English requirement in AISD graduation plans. Students who complete only part A (in seventh grade) or part B (in eighth grade) will receive 0.5 LOTE credit.

High school level courses completed at the middle school level, regardless of outcome, shall post to the high school academic record. The final grade is included in calculating high school grade-point averages (GPA) and will appear on the high school transcript. See Appendices A and G for an explanation of grading scales and how it may affect your grade point average and high school class rank.

A middle school student may withdraw from a high school credit course for which a state EOC exam is required by the end of the fourth week of the third nine weeks of the course. A middle school student may withdraw from any other high school credit course by the end of the fifth week of the last nine weeks of the course. The final semester report card must reflect the new course to which the student transferred.

A counselor can assist students and parents in choosing appropriate courses. Teachers may also make recommendations to parents to move students into advanced academic courses and will contact the parent to discuss this. If the parent wishes to move their child into one or more advanced academic courses, the parent will need to conference with the current teacher and/or counselor.

Preparing Your Schedule

Students are required to declare a high school Endorsement which is similar to a major by the end of their ninth-grade year but are encouraged to do so in their eighth-grade year. When choosing elective courses for sixth and seventh grade, some students may consider what is required to accomplish their goals. Beginning in the sixth grade, students will have the opportunity to explore connections among interests, high school Endorsements, and course selections. For example, if a student is interested in fine arts, they will select beginning level band, choir or theatre arts. Continued interest in fine arts through middle school may lead to declaring a Fine Arts Endorsement in high school. A course that is required before another course can be taken is called a prerequisite. Students should meet prerequisite requirements before enrolling in a course.

Students should plan their schedule for the upcoming year by selecting from the required and elective courses. Remember that **required courses will either be regular or Advanced**. Required physical education courses and optional elective courses will either be semester or yearlong. Course descriptions for required and elective courses follow in the Middle School section.

Middle School Course Descriptions and Recommended Sequence

Required Courses for Sixth, Seventh, and Eighth Grade Students

Students identified as Gifted and Talented must be registered for Advanced classes in the area(s) in which they have been identified to maintain GT designation and receive GT services.

Language Arts

Traditional Course Sequence and Testing Guide

Grade	Subject	Assessment(s)
Sixth	English Language Arts & Reading 6	STAAR Gr 6 (Reading)
Seventh	English Language Arts & Reading 7	STAAR Gr 7 (Reading and Writing)
Eighth	English Language Arts & Reading 8	STAAR Gr 8 (Reading)
Ninth	English I	ENG I EOC
10th	English II	ENG II EOC PSAT
11th	English III	PSAT/SAT/ACT
12th	English IV	PSAT/SAT/ACT

Recommended Advanced Placement/Dual Credit Course Sequence and Testing Guide

Grade	Subject(s)	Assessment(s)
Sixth	Advanced English Language Arts & Reading 6	STAAR Gr 6 (Reading)
Seventh	Advanced English Language Arts & Reading 7	STAAR Gr 7 (Reading and Writing)
Eighth	Advanced English Language Arts & Reading 8	STAAR Gr 8 (Reading)
Ninth	Advanced English I	ENG I EOC
10th	Advanced English II	ENG II EOC PSAT
11th	AP Lang. Comp. DC English III	PSAT/SAT/ACT AP Course Exam
12th	AP Lang. Lit. DC English IV	PSAT/SAT/ACT AP Course Exam

***Advanced courses are strongly recommended but are not a prerequisite for Advanced Placement/ Dual Credit courses**

Course	**ENGLISH LANGUAGE ARTS AND READING**
Course info	1006.R0000.Y/H0000.Y (6th) 1007.R0000.Y/H0000.Y (7th) 1008.R0000.Y/H0000.Y (8th)
Description	This course includes all TEKS for English Language Arts and Reading, which consist of reading, writing, research, listening and speaking skills. Students read and write in a variety of genres at increasing difficulty levels each year. Students complete research projects, present their findings and engage in peer discussions. They learn grammar, usage, vocabulary and other English language skills within the context of reading and writing.
Prerequisites	None

Course	**ENGLISH LANGUAGE ARTS AND READING FOR SPEAKERS OF OTHER LANGUAGES**
Course info	1036.E0000.Y (6th) 1037.E0000.Y (7th) 1038.E0000.Y (8th)
Description	These classes provide instruction in the ELAR and ELLA TEKS and are designed to serve as the ELAR course for Emergent Bilingual students identified as Newcomers. They are courses designed to provide targeted and focused second language acquisition strategies that support the development of both interpersonal English skills and academic English. In addition to what is taught in ELAR classes, instruction is focused on developing English proficiency in all four language domains through structured activities that emphasize language development and provide instruction that is accessible at students' proficiency levels. As with all ELAR courses where Emergent Bilingual students are learning, the teacher must be ESL certified. This course is recommended for students at the beginning or intermediate proficiency level in English and in the first 3 years in US schools. However, it is important to review each individual students' course placement and this process can be supported by the LPAC.
Prerequisites	None

Course	**READING ELECTIVE**
Course info	1026.R0000.Y (6th); 1026.R1000.Y Dyslexia 1027.R0000.Y (7th); 1027.R1000.Y Dyslexia 1028.R0000.Y (8th); 1028.R1000.Y Dyslexia
Description	In this course, students learn reading, research, listening and speaking skills from the English Language Arts and Reading TEKS. Students read and analyze a wide variety of literary and informational texts. Explicit instruction in vocabulary, listening, and speaking support deeper understandings and transfer of knowledge. As they research and analyze texts, students listen and respond to others' ideas while contributing their own ideas to whole-group and small-group discussions.
Prerequisites	None

Course	**READING ELECTIVE ESL**
Course info	1026.E0000.Y (6th) 1027.E0000.Y (7th) 1028.E0000.Y (8th)
Description	Students in elective reading classes read independently for sustained periods of time in a variety of texts to build fluency and comprehension. They engage in small and large group discussions. They expand their vocabulary through wide reading, word study, and use of visual, contextual, and structural clues. They use graphic organizers and other comprehension strategies in fiction and nonfiction texts. Students apply research strategies and study skills, producing short research reports with documentation. This course should be designed to provide instruction that supports Emergent Bilingual learners.
Prerequisites	None

Course	ENGLISH LANGUAGE DEVELOPMENT & ACQUISITION (ELDA) 1st & 2nd time taken
Course info	1803.EJ000.Y 1st time taken (Service ID: 03200800) 1804.EJ000.Y 2nd time taken (Service ID: 03200810)
Credit	1.0 elective credit
Grade level	6-8
Description	This course provides instruction that is focused on supporting Emergent Bilingual students identified as Newcomers through instruction that addresses all four language domains while developing social language and the basic building blocks for literacy in English for Newcomers. The course validates students' native languages and cultures while supporting acceleration of English acquisition.
Prerequisites	Must be taken concurrently with a 6, 7, or 8th grade ELAR/ESOL course. Can be taken for up to 2 credits. Students are at the beginning or intermediate proficiency level in English in the first 3 years in US school.

Mathematics

Traditional Course Sequence and Testing Guide

Grade	Subject	Assessment(s)
Sixth	Math 6	STAAR Gr 6
Seventh	Math 7	STAAR Gr 7
Eighth	Math 8	STAAR Gr 8
Ninth	Algebra I	Algebra I EOC
10th	Geometry	PSAT
11th	Algebra II	PSAT/SAT/ACT
12th	Precalculus	PSAT/SAT/ACT

Recommended Advanced Placement/Dual Credit Course Sequence and Testing Guide

Grade	Subject(s)	Assessment(s)
Sixth	Accelerated Math 6	STAAR Gr 6
Seventh	Accelerated Math 7	STAAR Gr 8
Eighth	Advanced Algebra I	Algebra I EOC
Ninth	Advanced Geometry	PSAT
10th	Advanced Algebra II	PSAT
11th	Advanced Precalculus DC Mathematics	PSAT/SAT/ACT AP Course Exam
12th	AP Statistics AP Calculus AB AP Calculus BC DC Mathematics	PSAT/SAT/ACT AP Course Exam

Advanced courses are strongly recommended but are not a prerequisite for Advanced Placement/ Dual Credit courses

Course	**MATH**
Course info	3006.R0000.Y/H0000.Y (6th) 3007.R0000.Y/H0000.Y (7th) 3008.R0000.Y/H0000.Y (8th)
Description	Throughout mathematics in grades six through eight students build a foundation of basic understanding in numerical representations and probability, computations and algebraic relationships, geometry and measurement, data analysis and personal financial literacy. Available in regular or advanced.
Prerequisites	None

Course	**MATH DUAL LANGUAGE**
Course info	3006.D0000.Y/DH000.Y (6th DL) 3007.D0000.Y/DH000.Y (7th DL) 3008.D0000.Y/DH000.Y (8th DL)
Description	Students will build a foundation of basic understanding in numerical representations and probability, computations and algebraic relationships, geometry and measurement, data analysis and personal financial literacy. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability. Available in regular or advanced.
Prerequisites	Participation in a Dual Language Program and/or proficiency in Spanish.

Course	**ACCELERATED MATH 6**
Course info	3016.H0000.Y (6th)
Description	All sixth-grade TEKS are taught, in addition to selected seventh-grade TEKS as appropriate for extensions and identified in the curriculum. Students enrolled in this course will take the sixth-grade STAAR.
Prerequisites	None

Course	**ACCELERATED MATH 6 DUAL LANGUAGE**
Course info	3016.DH000.Y (6th)
Description	All sixth-grade TEKS are taught, in addition to selected seventh-grade TEKS as appropriate for extensions and identified in the curriculum. Students enrolled in this course will take the sixth-grade STAAR. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Participation in a Dual Language Program and/or proficiency in Spanish.

Course	**ACCELERATED MATH 7**
Course info	3017.H0000.X (Fall; 7th) 3018.H0000.X (Spring; 7th)
Description	All eighth grade TEKS are taught, in addition to the seventh grade TEKS not covered in the sixth-grade accelerated course. Students enrolled in this course will take the eighth-grade STAAR.
Prerequisites	RECOMMENDED: Accelerated Math 6

Course	**ACCELERATED MATH 7 DUAL LANGUAGE**
Course info	3017.DH000.X (Fall; 7th) 3018.DH000.X (Spring; 7th)
Description	All eighth grade TEKS are taught, in addition to the seventh grade TEKS not covered in the sixth-grade accelerated course. Students enrolled in this course will take the eighth-grade STAAR. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	RECOMMENDED: Accelerated Math 6. Participation in a Dual Language Program and/or proficiency in Spanish.

Course	**ALGEBRA I (ADVANCED)**
Course info	3001.HJ000.Y 1.0 mathematics credit Grade: 8
Description	Some eighth-grade students may choose to take Algebra I, which is a high school credit course. Only students who have mastered the material taught in mathematics in grades six through eight or demonstrated mastery in equivalent prerequisite skills needed for Algebra I should take this course. Students who complete any high school mathematics courses in middle school may use the credit earned to satisfy the requirement of four units of mathematics in grades nine through 12. Grades earned in high school courses taken in middle school are included in the high school GPA.
Prerequisites	Math 8 or equivalent

Course	**ALGEBRA I (ADVANCED) DUAL LANGUAGE**
Course info	3001.HJ0DL.Y 1.0 mathematics credit Grade: 8
Description	Only students who have mastered the material taught in mathematics in grades six through eight or demonstrated mastery in equivalent prerequisite skills needed for Algebra I should take this course. Students who complete any high school mathematics courses in middle school may use the credit earned to satisfy the requirement of four units of mathematics in grades nine through 12. Grades earned in high school courses taken in middle school are included in the high school GPA. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Math 8 or equivalent. Participation in a Dual Language Program and/or proficiency in Spanish.

Science

Traditional Course Sequence and Testing Guide

Grade	Subject(s)	Assessment(s)
Sixth	Science 6	n/a
Seventh	Science 7	n/a
Eighth	Science 8	STAAR Gr 8
Ninth	Biology	Biology EOC
10th	Chemistry	PSAT
11th	Physics	PSAT/SAT/ACT
12th	Earth and Space Science Astronomy Aquatic Science Environmental Systems CTE Science Course	PSAT/SAT/ACT

Recommended Advanced Placement/Dual Credit Course Sequence and Testing Guide

Grade	Subject(s)	Assessment(s)
Sixth	Advanced Science 6	n/a
Seventh	Advanced Science 7	n/a
Eighth	Advanced Science 8	STAAR Gr 8
Ninth	Advanced Biology	Biology EOC
10th	Chemistry	PSAT
11th	Advanced Physics AP Chemistry AP Physics 1 DC Science	PSAT/SAT/ACT AP Course Exam
12th	AP Environmental Science AP Biology AP Chemistry AP Physics 2 AP Physics C DC Science	PSAT/SAT/ACT AP Course Exam

Advanced courses are strongly recommended but are not a prerequisite for Advanced Placement/ Dual Credit courses

Course	**SCIENCE**
Course info	4006.R0000.Y/H0000.Y (6th) 4007.R0000.Y/H0000.Y (7th) 4008.R0000.Y/H0000.Y (8th)
Description	Students learn life, earth, and physical science concepts in an integrated way, with an emphasis on inquiry-based field and laboratory investigations. A unit on personal health and sexuality is included at each grade level. Texas law requires at least 40 percent lab and field investigations. These courses are available in regular or advanced.
Prerequisites	None

Course	**SCIENCE DUAL LANGUAGE**
Course info	4006.D0000.Y/DH000.Y (6th DL) 4007.D0000.Y/DH000.Y (7th DL) 4008.D0000.Y/DH000.Y (8th DL)
Description	Students learn life, earth, and physical science concepts in an integrated way, with an emphasis on inquiry-based field and laboratory investigations. A unit on personal health and sexuality is included at each grade level. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability. These courses are available in regular or advanced.
Prerequisites	Participation in a Dual Language Program and/or proficiency in Spanish.

Social Studies

Traditional Course Sequence and Testing Guide

Grades	Subject(s)	Assessment(s)
Sixth	World Cultures	n/a
Seventh	Texas Geography and History	n/a
Eighth	U.S. History from exploration to 1877	STAAR Gr 8
Ninth	World Geography	n/a
10th	World History	PSAT
11th	U.S. History from 1877 to present	PSAT/SAT/ACT U.S. History EOC
12th	U.S. Government Economics	PSAT/SAT/ACT

Recommended Advanced Placement/Dual Credit Course Sequence and Testing Guide

Grade	Subject(s)	Assessment(s)
Sixth	Advanced World Cultures	n/a
Seventh	Advanced Texas History	n/a
Eighth	Advanced U.S. History	STAAR Gr 8
Ninth	Advanced World Geography AP Human Geography*	AP Course Exam
10th	AP World History	PSAT AP Course Exam
11th	AP U.S. History DC Social Studies	PSAT/SAT/ACT U.S. History EOC AP Course Exam
12th	AP U.S. Government AP Macroeconomics or AP Microeconomics DC Social Studies	PSAT/SAT/ACT AP Course Exam
Social Studies Electives	AP European History AP Psychology AP Comparative Government	AP Course Exam

Advanced courses are strongly recommended but are not a prerequisite for Advanced Placement/ Dual Credit courses
*AP Human Geography replaces World Geography when completed as a year-long course.

Course	**SOCIAL STUDIES**
Course info	6006.R0000.Y/H0000.Y (6th) 6007.R0000.Y/H0000.Y (7th) 6008.R0000.Y/H0000.Y (8th)
Description	Students learn about events, leaders, beliefs and geography in economic and political systems and cultures. Grade six emphasizes modern life in world regions. Grade seven studies Texas Geography and History. Grade eight studies U.S. History from exploration to 1877.
Prerequisites	None

Course	**SOCIAL STUDIES DUAL LANGUAGE**
Course info	6006.D0000.Y/ DH000.Y (6th) 6007.D0000.Y/ DH000.Y (7th) 6008.D0000.Y/ DH000.Y (8th)
Description	Students learn about events, leaders, beliefs and geography in economic and political systems and cultures. Grade six emphasizes modern life in world regions. Grade seven studies Texas Geography and History. Grade eight studies U.S. History from exploration to 1877. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Participation in a Dual Language Program and/or Spanish proficiency.

Physical Education

- All middle school students must take at least four semesters of Physical Education or Physical Education substitutions.
- Athletics, Functional Dance, Dance Wellness or JROTC are Physical Education substitutions that will satisfy the four-semester requirement if taught by a dance/PE instructor during school hours.
- Students must take at least one semester of general physical education or physical education substitution per each grade level.
- Functional Fitness may only be taken once during Middle School. It should be offered during the fall semester in 6th grade.
- An approved Off-Campus PE Equivalent Program may also substitute for the PE requirement for seventh and eighth grade.
- All students will be assessed on their physical fitness using the FITNESSGRAM assessment based on their health classification.

- Students must be approved by the ARD committee before being placed in a modified PE course.
- Students approved for Adaptive PE may take additional PE courses.
- Students may be exempt from physical activity (EHAA Legal), but not their physical education class.
- Documentation from a member of the healing arts licensed to practice in Texas must be provided to exempt a student from various types of physical activities. Forms may be obtained from the district physical education office.

Examples:

Grades	**Traditional PE (recommended course sequence)**	**Dance for PE Credit**
Sixth	Functional Fitness (Fall) 7006.R0000.X 6th Grade PE (Spring) 7016.R0000.X	Functional Dance (Fall) 7020.R0000.X Dance Wellness 1 (Spring) 7021.R0000.X
Seventh	7th Grade PE (Fall or Spring) 7017.R0000.X Student Choice (Fall or Spring)	Dance Wellness 2 (Fall) 7022.R0000.X *****Dance 2 (Spring) 5021.R0000.X
Eighth	8th Grade PE (Fall or Spring). 7018.R0000.X Student Choice (Fall or Spring)	Dance Wellness 3 (Fall) 7023.R0000.X *****Dance 3 (Spring) 5023.R0000.X

*** Dance 2 and Dance 3 are for Fine Arts credits only.**

Course	**FUNCTIONAL FITNESS 6th-8th**
Course info	7006.R0000.X (6th: semester; 7th-8th spring-semester only) 7006.V0000.X Modified 7006.W0000.X Adapted *7006.D0000.X Dual Language
Description	Functional Fitness is a course designed to introduce students to a variety of fitness activities. Students will learn to care for their personal health by studying basic health information such as hands-only CPR, hygiene, health-related fitness, skill-related fitness, nutrition, substance abuse, stress management, peer pressure, conflict resolution, and bullying prevention while participating in activities using sandbells, resistance bands, stability balls, as well as cardio games and activities, Pilates, Plyometrics, and Tabata workouts, DOT drills and dynamic and static stretching. This course covers some of the sixth-grade PE TEKS and most of the sixth-grade health education TEKS. ** This course is designed for students participating in the dual language program and is taught in Spanish This course is not offered at every dual language campus, please check with your school's office about availability.*
Prerequisites	None if in 6th grade. For 7th or 8th graders, 7th or 8th grade general PE (fall semester) or 7th or 8th grade physical education substitution (fall semester). 7th or 8th graders may only take this class if they did not take Functional Fitness in 6th grade. This class is the same as 6th grade Functional Fitness. For 7th and 8th graders, this class is designed for those who need a fourth semester of Physical Education to meet the four-semester requirement.

Course	**6th GRADE PE**
Course info	7016.R0000.X (semester) 7016.V0000.X Modified (semester) 7016.W0000.X Adapted (semester) *7006.D0000.X Dual Language
Description	Students in 6th Grade Physical Education will learn to care for their personal health by studying basic health information such as hands-only CPR, hygiene, health-related fitness, skill-related fitness, nutrition, substance abuse, stress management, peer pressure, conflict resolution, and bullying prevention while participating in flag football, volleyball, tennis, basketball, track and field, soccer, and jump rope activities. The goal of 6th Grade PE is to provide students with the exposure to a variety of team sport-related physical activities to better prepare them for a physically active lifestyle. This course covers most of the sixth-grade PE TEKS and most of the sixth-grade health education TEKS. ** This course is designed for students participating in the dual language program and is taught in Spanish This course is not offered at every dual language campus, please check with your school's office about availability.*
Prerequisites	None **Participation in a Dual Language Program and/or Spanish proficiency.*

Course	**7th GRADE PE**
Course info	7017.R0000.X (semester) 7017.V0000.X Modified (semester) 7017.W0000.X Adapted (semester) *7006.D0000.X Dual Language
Description	Students in 7th Grade Physical Education will learn to care for their personal health by studying basic health information such as hands-only CPR, hygiene, nutrition, substance abuse, stress management, self-esteem, body image, conflict resolution, sportsmanship, sleep, rest and time management while participating in bowling, Ultimate, circuit training, Floorball, disc golf, and softball. The goal of 7th Grade PE is to provide students with the exposure to a variety of individual sport-related physical activities to better prepare them for a physically active lifestyle. This course covers most of the seventh-grade PE TEKS and most of the seventh/eighth-grade health education TEKS. ** This course is designed for students participating in the dual language program and is taught in Spanish This course is not offered at every dual language campus, please check with your school's office about availability.*
Prerequisites	None ** Participation in a Dual Language Program and/or Spanish proficiency.*

Course	**8th GRADE PE**
Course info	7018.R0000.X (semester) 7018.V0000.X Modified (semester) 7018.W0000.X Adapted (semester) *7006.D0000.X Dual Language
Description	Students in 8th Grade Physical Education will learn to care for their personal health by studying basic health information such as hands-only CPR, hygiene, nutrition, substance abuse, stress management, self-esteem, body image, conflict resolution, sportsmanship, sleep, rest and time management while participating in team handball, volleyball, weight training, basketball, golf, badminton, and lacrosse. The goal of 8th Grade PE is to provide students with the exposure to a variety of individual and team sport-related physical activities to better prepare them for a physically active lifestyle. This course covers most of the eighth-grade PE TEKS and most of the seventh/eighth-grade health education TEKS. ** This course is designed for students participating in the dual language program and is taught in Spanish This course is not offered at every dual language campus, please check with your school's office about availability.*
Prerequisites	None ** Participation in a Dual Language Program and/or Spanish proficiency.*

Physical Education Substitutions

Physical education substitutions allow a student to use approved physical activities to meet the physical education requirements for middle school. There are four types of physical education substitutes for middle school:

- Athletics courses
- Dance courses
- National Middle School Cadet Corps (NMSCC)
  Off-campus Physical Education Equivalent Program (Category 2 only)

Course	**ATHLETICS COURSES**
Course info	7037.R1000.X (7th; semester) 7038.R1000.X (8th; semester)
Description	Students will participate in athletic activities during this class, which can be substituted for a physical education credit.
Prerequisites	Approval by the athletic coach

Course	**FUNCTIONAL DANCE 6th grade fall**
Course info	7020.R0000.X (semester)
Description	Functional Dance is a course designed for students to improve all aspects of individual fitness using sandbells, resistance bands, stability balls, as well as cardio games and activities, Pilates, Plyometrics, and Tabata workouts, DOT drills and dynamic and static stretching to increase cardiovascular endurance, muscular strength and endurance, and flexibility. Students will learn to care for their personal health by studying basic health information such as hands-only CPR, hygiene, health-related fitness, skill-related fitness, nutrition, substance abuse, stress management, peer pressure, conflict resolution, and bullying prevention. Students will explore movement principles associated with the Elements of Dance, ballet, improvisation skills, and choreographic processes in cooperative groups. Students may have the opportunity to perform in a public performance setting. Out-of-school rehearsals and performances may be required. This class may be paired with Dance Wellness I to complete one full year of PE credit for sixth grade.
Prerequisites	None

Course	**DANCE WELLNESS 1 6th grade**
Course info	7021.R0000.X (semester)
Description	Dance Wellness I is designed for students to develop self-discipline and healthy bodies that move more expressively, efficiently, and safely. Students will continue to learn to care for their personal health by studying basic health information such as hands-only CPR, hygiene, health-related fitness, skill-related fitness, nutrition, substance abuse, stress management, peer pressure, conflict resolution, and bullying prevention. Students will demonstrate movement principles, historical and cultural relevance, and evaluation techniques associated with the elements of dance, social dance, ballet, jazz, world dance, hip hop, tap, and choreographic processes working cooperatively in small groups. Students may have the opportunity to perform in a public performance setting. Out-of-school rehearsals and performances may be required.
Prerequisites	Functional Dance

Course	**DANCE WELLNESS 2 7th grade**
Course info	7022.R0000.X (semester)
Description	Dance Wellness II is designed for students to demonstrate, create, and evaluate dance movement elements associated with the elements of dance, ballet, jazz, modern, hip hop, tap, and choreographic processes in cooperative groups or individually. Students will learn to care for their personal health by studying basic health information such as hands-only CPR, hygiene, nutrition, substance abuse, stress management, self-esteem, body image, conflict resolution, sportsmanship, sleep, rest and time management. Students may have the opportunity to perform in a public performance setting. Out-of-school rehearsals and performances may be required.
Prerequisites	Must be a seventh- or eighth-grade student

Course	**DANCE WELLNESS 3 8th grade**
Course info	7023.R0000.X (semester)
Description	Dance Wellness III is a course designed for students to develop perceptual thinking and movement abilities, promoting an understanding of themselves and others. Students will demonstrate, create, and evaluate movements with the intent to express emotions, communicate ideas, and project to an audience in the genres of ballet, jazz, modern, hip hop, tap, and choreography. Students learn to care for their personal health by studying basic health information such as hands-only CPR, hygiene, nutrition, substance abuse, stress management, self-esteem, body image, conflict resolution, sportsmanship, sleep, rest and time management. Students may have the opportunity to perform in a public performance setting. Out-of-school rehearsals and performances may be required.
Prerequisites	Director approval

Course	**NATIONAL MIDDLE SCHOOL CADET CORPS (NMSCC)**
Course info	7056.R0000.X (6th; semester) 7057.R0000.X (7th; semester) 7058.R0000.X (8th; semester)
Description	The NMSCC program is designed to introduce middle school students to responsible leadership roles while serving as a bridge facilitating a smooth transition into high school. With the focus on leadership and responsibility the program establishes the expectations and frame work to improve student behavior, instill personal discipline, communications skills, promote character development, curb gang activity, reduce drop outs, establish positive peer role-models and promote team work among the cadets and the student body.
Prerequisites	None

Off-campus Physical Education Equivalent

Grade: Seventh and eighth grade

- The Off-campus Physical Education Equivalent Program is an athletic/training program that students may participate in using a commercial or private agency approved by the district.
- Program packets may be obtained on the Off Campus PE page on the AISD website.
- Students may only choose agencies that are listed on the "Austin ISD Approved Agency" list on the AISD website.
- Completed packets must be emailed to the PE department (OCPE@austinisd.org) or delivered to the Southfield Building by designated dates on the OCPE website.(
- The Off-campus Physical Education Equivalent Program course must be scheduled through your counselor and will be noted on the student's report card.
- Students must complete written assignments given by the agency for verification of learned Texas Essential Knowledge and Skills for Physical Education. A numerical grade will be issued from the written assignments; it will then be factored into the students' grade.
- AISD is not responsible for providing transportation to the approved agencies.

Course	**CATEGORY 2**
Course info	7047.R0000.X (7th; semester) 7048.R0000.X (8th; semester)
Description	Category 2 (only for middle-school students based on a ruling from the State Board of Education, July 2006): A private or commercially-sponsored physical activity or training program. The student must participate in the substitute activity that is in congruence with the Physical Education TEKS (TAC) Chapter 74. The student is required to participate at least five hours per week during the entire school semester. Students certified to participate at this level will not be dismissed from any part of the regular school day.
Prerequisites	None

Visual & Performing Arts

Students must complete a minimum of one Texas Essential Knowledge and Skills-based fine arts course. Yearlong courses in the same discipline are required to adequately address the TEKS. Visual & Performing Arts courses are organized by skill level, taken in sequence and are not dependent on grade level (e.g., eighth grade students enrolled in choir for the first time will be enrolled in 5041.R0000.Y). *Education Code 28.002(c-1); 19 TAC 74.3(a)(2)*.

Art

Course titles	**ART, MIDDLE SCHOOL 1** **ART, MIDDLE SCHOOL 2** **ART, MIDDLE SCHOOL 3**
Course info	5001.R0000.Y (year; 1st-time taken) 5002.R0000.Y (year; 2nd time taken) 5003.R0000.Y (year; 3rd time taken) 5001.R0000.X (semester; 1st time taken)
Description	Students will work with a variety of processes and materials such as painting, drawing, sculpture, ceramics, printmaking, fibers, jewelry and digital media. Students rely on their perceptions of the environment, developed through increasing visual awareness and sensitivity to surroundings, memory, imagination, and life experiences as a source for creating artworks. Art courses include the study of works of art and cultures and evaluation of student work and the works of other artists.
Prerequisites	Please remember, Visual & Arts courses are organized by skill level, taken in sequence and are not dependent on grade level thus a student must complete Art MS 1 before enrolling in Art MS 2 and must complete Art MS 2 before enrolling in Art MS 3.

Band

Course titles	**BAND, MIDDLE SCHOOL 1** **BAND, MIDDLE SCHOOL 2** **BAND, MIDDLE SCHOOL 3**
Course info	5031.R0000.Y (year; 1st time taken) 5032.R0000.Y (year; 2nd time taken) 5033.R0000.Y (year; 3rd time taken) R1000.Y – Tuba R1100.Y – Percussion R2000.Y – Saxophone R3000.Y - Trombone R4000.Y – Baritone/Tuba R5000.Y - Flute R6000.Y – Double Reed R7000.Y - Clarinet R8000.Y - Horn R9000.Y - Trumpet
Description	Band classes are offered at three levels for a sequential, continuing study of band music. This course is performance-oriented and teaches individual as well as ensemble skills. Musicianship is developed through the study of instrumental techniques, sight reading skills, and music listening. Students are expected to furnish their own instruments, although some instruments may be available for use from the campus. Rapidly progressing students may be transferred to a more advanced band level as approved by the director and as scheduling permits. Out-of-school rehearsals and performances are required.
Prerequisites	Recommended: Director's approval required for placement in all levels.

Choir

Course titles	**CHOIR, MIDDLE SCHOOL 1** **CHOIR, MIDDLE SCHOOL 2** **CHOIR, MIDDLE SCHOOL 3**
Course info	5041.R0000.X/Y (1st time taken) .R000B.X/Y – BOYS / R000G.X/Y - GIRLS 5042.R0000.Y (2nd time taken) .R000B.Y – BOYS / R000G.Y - GIRLS 5043.R0000.Y (3rd time taken) .R000B.Y – BOYS / R000G.Y - GIRLS
Description	Choir classes are offered at three levels for a sequential, continuing study of choral music. This course is performance-oriented and teaches unison, two-, three- and four-part choral literature. Musicianship is developed through the study of vocal techniques, sight-reading skills, and music listening. Out-of-school rehearsals and public performances are required. Choral directors may place boys and girls in different choirs based on changing voices and UIL standards. A semester-long course is offered during the first year of study. Year-long courses are required for the second and third year.
Prerequisites	Recommended: Director's approval required for placement in all levels.

Dance

Course titles	**DANCE, MIDDLE SCHOOL 1** **DANCE, MIDDLE SCHOOL 2** **DANCE, MIDDLE SCHOOL 3**
Course info	5021.R0000.X/Y (1st time taken) 5022.R0000.X/Y (2nd time taken) 5023.R0000.X/Y (3rd time taken)
Description	These Visual & Performing Arts courses do not meet the Physical Education requirements set by AISD and TEA. Students will learn and develop rhythm and movement skills in ballet, jazz, social dance styles, with an emphasis on health and physical activity concepts. Students will work cooperatively with others and learn about the cultural and artistic diversity. Students may have the opportunity to perform in a public setting. Out-of-school rehearsals and performances may be required for Dance 2 and Dance 3.
Prerequisites	None

Orchestra

Course titles	**ORCHESTRA, MIDDLE SCHOOL 1** **ORCHESTRA, MIDDLE SCHOOL 2** **ORCHESTRA, MIDDLE SCHOOL 3**
Course info	5051.R0000.Y (year; 1st time taken) 5052.R0000.Y (year; 2nd time taken) 5053.R0000.Y (year; 3rd time taken)
Description	Orchestra is offered at three levels of instruction. Students furnish violins and the school provides violas, cellos, and string basses. Basic fundamentals of stringed instruments are introduced, and rapidly progressing students may be transferred to a more-advanced Orchestra as scheduling permits. Out-of-school rehearsals and performances are required. String players must be enrolled in a regular orchestra class to participate in other specialized instrumental ensembles, such as Mariachi.
Prerequisites	Recommended: Director's approval required for placement in all levels.

Guitar

Course titles	**GUITAR, MIDDLE SCHOOL 1** **GUITAR, MIDDLE SCHOOL 2** **GUITAR, MIDDLE SCHOOL 3**
Course info	5061.R0000.X/Y (1st time taken) 5062.R0000.X/Y (2nd time taken) 5063.R0000.X/Y (3rd time taken)
Description	Guitar is offered at three levels of instruction. Students furnish classical guitars; however, some instruments may be available for use. Rapidly progressing students may be transferred to a more-advanced Guitar as scheduling permits. Out-of-school rehearsals and performances are required.
Prerequisites	Recommended: Director's approval required for placement in all levels.

Instrumental/Vocal Ensemble

Course titles	**ENSEMBLE, MIDDLE SCHOOL 2** **ENSEMBLE, MIDDLE SCHOOL 3**
Course info	5072.R0000.X/Y (1st time taken) 5073.R0000.X/Y (2nd time taken) R1000: Band R2000: Orchestra/harp/violin/viola/cello/bass R3000: Guitar R4000: Piano R5000: Steel drum R6000: Jazz R7000: Mariachi R8000: Percussion R9000: Choir
Description	An instrumental or vocal music ensemble of varying size is designed to promote the performance technique of stage band, folk, rock, jazz, Caribbean, and other popular musical idioms genres. Students must be enrolled in a regular band, choir, or orchestra class to participate in any specialized instrumental or vocal ensemble. Out-of-school rehearsals and performances are required. This course may be repeated.
Prerequisites	Any middle school music 1 course. Recommended: Director's approval required for placement in all levels.

Mariachi

Course titles	**MARIACHI, MIDDLE SCHOOL 2** **MARIACHI, MIDDLE SCHOOL 3**
Course info	5082.R0000.X/Y (1st time taken) 5083.R0000.X/Y (2nd time taken)
Description	An instrumental and vocal music ensemble designed to promote mariachi performance techniques. Students must have completed a Middle School 1 course in band, choir, guitar, or orchestra before enrolling in Mariachi 2. Out-of-school rehearsals and performances are required.
Prerequisites	Recommended: Director's approval required for placement in all levels.

Piano

Course titles	**PIANO, MIDDLE SCHOOL 1** **PIANO, MIDDLE SCHOOL 2** **PIANO, MIDDLE SCHOOL 3**
Course info	5091.R0000.X/Y (1st time taken) 5092.R0000.X/Y (2nd time taken) 5093.R0000.X/Y (3rd time taken)
Description	This is a performance-oriented course where students learn how to play the piano. Musicianship is developed by reading music, piano technique, and music listening. Out-of-school rehearsals and public performances are required.
Prerequisites	Recommended: Director's approval required for placement in all levels.

Theatre Arts

Course titles	**MIDDLE SCHOOL 1, first time taken** **MIDDLE SCHOOL 2, second time taken** **MIDDLE SCHOOL 3, third time taken**
Course info	5011.R0000.X/Y (1st time taken) 5012.R0000.X/Y (2nd time taken) 5013.R0000.X/Y (3rd time taken)
Description	This course includes technical theatre, preparation for plays, make-up, pantomime, improvisation, and understanding characters through character study. Skills in speech presentation, including the elements of communication, oral interpretation, and various types of speeches will be emphasized. At least one production is presented during the year. Out-of-school rehearsals and performances are required.
Prerequisites	None

Career and Technical Education (CTE)

Elective Courses available for Sixth Grade Students

Course	**COLLEGE AND CAREER READINESS 6th**
Course info	8000.R0000.X (semester)
Description	The career development process is unique to every person and evolves throughout one's life. Students will use decision-making and problem-solving skills for college and career planning. Students will explore valid, reliable educational and career information to learn more about themselves and their interests and abilities. Students integrate skills from academic subjects, information technology, and interpersonal communication to make informed decisions. This course is designed to guide students through the process of investigation and in the development of a college and career readiness achievement plan. Students will use interest inventory software or other tools available to explore college and career areas of personal interest. Students will use this information to explore educational requirement for various colleges and a variety of chosen career paths
Prerequisites	None

Course	**INVESTIGATING CAREERSS**
Course info	8010.R0000.X/Y (1st time taken) 12700400 8020.R0000.X/Y (2nd time taken) 12700410 8030.R0000.X/Y (3rd time taken) 12700420 8040.R0000.X/Y (4th time taken) 12700430
Description	The goal of this course is to create a foundation for success in high school, future studies, and careers such as Science, Technology, Engineering, and Mathematics; Business and Industry; Public Service; Arts and Humanities; and Multidisciplinary Studies. The students research labor market information, learn job-seeking skills, and create documents required for employment. Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions.
Prerequisites	None

Elective Courses for Seventh, and Eighth Grade Students

Availability of courses may vary by campus

Career and Technical Education (CTE)

Course	**TOUCH SYSTEM DATA ENTRY**
Course info	8601.RJ000.X (semester) Service ID: 13011300 Credit: .5 Grade: 7th, 8th
Description	Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry skills for production of business documents.
Prerequisites	None

Course	**PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES**
Course info	8300.RJ000.Y (year) Service ID: 1300200 Credit: 1 Grade: 7th, 8th
Description	Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations.
Prerequisites	None

Course	**PRINCIPLES OF CONSTRUCTION**
Course info	8400.RJ000.Y (year) Service ID: 13004220 Credit: 1 Grade: 7th, 8th
Description	Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.
Prerequisites	None

Course	**PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS B**
Course info	8500.RJ000.Y (year) Service ID: 13008200 Credit: 1.0 Grade: 7th, 8th
Description	Careers in the Arts, Audio/Video Technology, and Communications Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Students will be provided an opportunity to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. This course allows students to develop knowledge and skills related to information management, presentation, animation, video technology, printing and desktop publishing.
Prerequisites	None

Course	**GRAPHIC DESIGN AND ILLUSTRATION**
Course info	8514.RJ000.Y (year) Service ID: 13008800 Credit: 1 Grade: 8th
Description	Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.
Prerequisites	Recommended: Principles of Arts, Audio/Video Technology and Communications.

Course	**PROFESSIONAL COMMUNICATIONS**
Course info	8502.RJ000.X (semester) Service ID: 13009900 Credit: .5 Grade: 7th, 8th
Description	Course Description: Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.
Prerequisites	None

Course	**PRINCIPLES OF BUSINESS, MARKETING AND FINANCE**
Course info	8600.RJ000.Y (year) Service ID: 13011200 Credit: 1.0 Grade: 7th, 8th
Description	In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.
Prerequisites	None

Course	**BUSINESS INFORMATION MANAGEMENT I**
Course info	8610.RJ000.Y (year) Service ID: 13011400 Credit: 1.0 Grade: 8th
Description	In Business Information Management I, students implement person and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and post-secondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a data base, and make an electronic presentation using appropriate software.
Prerequisites	Recommended: Touch System Data Entry

Course	**PRINCIPLES OF EDUCATION AND TRAINING**
Course info	8640.RJ000.Y (year) Service ID: 13014200 Credit: 1 Grade: 7th, 8th
Description	Students will explore various careers available within the Education and Training Career Cluster. By using self-knowledge as it relates to educational and career information, students will analyze various careers within the Education and Training Career Cluster and develop a graduation plan that leads to a specific career choice in the student's interest area.
Prerequisites	None

Course	**PRINCIPLES OF HUMAN SERVICES**
Course info	8700.RJ000.Y (year) Service ID: 13024200 Credit: 1 Grade: 7th, 8th
Description	Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.
Prerequisites	None

Course	**LIFETIME WELLNESS AND NUTRITION**
Course info	8703.RJ000.X (semester) Service ID: 13024500 Credit: .5 Grade: 7th, 8th
Description	Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.
Prerequisites	Recommended: Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science.

Course	**PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS**
Course info	TBD Service ID: N1302107 Credit: 1 Grade: 8th
Description	The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards.
Prerequisites	None

Course	**PRINCIPLES OF INFORMATION TECHNOLOGY**
Course info	8800.RJ000.Y (year) Service ID: 13027200 Credit: 1.0 Grade: 7th, 8th
Description	In Principles of Information Technology, students will develop computer abilities and skills to use existing and new technologies found in schools, and in the worldwide workplace. Students will learn to use skills to get along well with others, and to prepare for changes in workplace conditions. Students will improve reading, writing, math/calculating, communication, and thinking skills and apply them to better use computers and information technology in school, and in the workplace.
Prerequisites	None

Course	**FUNDAMENTALS OF COMPUTER SCIENCE**
Course info	7000.RJ000.Y (year) Service ID: 03580140 Credit: 1 Grade: 7th, 8th
Description	Students will discover the background behind what makes our technology work. Basic programming skills will be acquired for a foundation that leads to a vast understanding of Computer Science. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science
Prerequisites	None

Course	**WEB COMMUNICATIONS**
Course info	TBD Service ID: 03580810 Credit: .5 Grade: 8th
Description	In Web Communications, students will acquire knowledge of web communications and technological operations and concepts. This is an exploratory course in web communications. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.
Prerequisites	None

Course	**FOUNDATIONS OF CYBERSECURITY**
Course info	TBD Service ID: 03580850 Credit: 1 Grade: 8th
Description	In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity.
Prerequisites	None

Course	**PRINCIPLES OF MANUFACTURING**
Course info	8630.RJ000.Y (year) Service ID: 13032200 Credit: 1 Grade: 7th, 8th
Description	In Principles of Manufacturing, students are introduced to knowledge and skills used in the proper application of principles of manufacturing. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities. Students will gain an understanding of what employers require to gain and maintain employment in manufacturing careers.
Prerequisites	Recommended: Algebra I or Geometry

Course	**PRINCIPLES OF APPLIED ENGINEERING S**
Course info	8716.RJ000.Y (year) Service ID: 13036200 Credit: 1.0 Grade: 7th, 8th
Description	This course introduces students to concepts and skills in engineering design. Students explore the engineering design process using relevant hardware and software to complete hands-on and group projects in a variety of areas. Subjects may include robotics, electronics, mechanical design, computer-aided drafting (CAD), and careers opportunities.
Prerequisites	Recommended: Touch System Data Entry

Course	**PRINCIPLES OF TRANSPORTATION SYSTEMS**
Course info	8900.RJ000.Y (year) Service ID: 13039250 Credit: 1 Grade: 7th, 8th
Description	In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.
Prerequisites	None

Course	**PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY P**
Course number	8830.RJ000.(Y)
Service ID	13029200
Credit	1.0 elective credit
Grade level	7-8
Description	Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire safety, security, and corrections.
Prerequisites	None

Course	**PRINCIPLES OF BIOSCIENCES S P**
Course number	8717.RJ000.(Y)
Service ID	13036300
Credit	1.0 elective credit
Grade level	7-8
Description	Principles of Biosciences reinforces Biology content and provides an overview of biotechnology, bioengineering, and related fields. Topics include genetics, cell structure, proteins, nucleic acids, and the impact of immunological events in biotechnology. Students will further study the increasingly important agricultural, environmental, economic, and political roles of bioenergy and biological remediation; the roles of nanoscience and nanotechnology in biotechnology medical research; and future trends in biological science and biotechnology.
Prerequisites	None

Course	**PRINCIPLES OF HOSPITALITY AND TOURISM B**
Course number	8413.RJ000.(Y)
Service ID	13022200
Credit	1.0 elective credit
Grade level	7-8
Description	The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food and beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry.
Prerequisites	None

Course	**GENERAL EMPLOYABILITY SKILLS**
Course number	8002.RJ000.(Y)
Service ID	N1270153
Credit	1.0 elective credit
Grade level	7-8
Description	This course will provide instruction in general employability skills as well as the prerequisite skills for general employability. Employability skills are the skills and attitudes that allow employees to get along with their co-workers, make important work-related decisions and become strong members of the work team
Prerequisites	None

Course	**INTRODUCTION TO EVENT AND MEETING PLANNING**
Course number	8424.RJ000.Y
Service ID	N1302269
Credit	1.0 elective credit
Grade level	10-12
Description	This course will introduce students to the concepts and topics necessary for the comprehensive understanding of the fundamentals of the meetings, conventions, events, and exposition industries. The course will review the roles of the organizations and people involved in the businesses that comprise the Meetings, Events, Expositions and Convention (MEEC) industry.
Prerequisites	Recommended prerequisite: Principles of Hospitality and Tourism, Hotel management and/or Travel and Tourism Management

Course	DIGITAL MEDIA B T
Course number	8807.RJ000.(Y)
Service ID	13027800
Credit	1.0 elective credit
Grade level	8
Description	In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and thinking and apply them to the IT environment.
Prerequisites	None

Course	DIGITAL COMMUNICATIONS IN THE 21ST CENTURY B
Course Number	7009.RJ000.Y
Service ID	03580610
Credit	1.0 elective credit
Grade Level	7-8
Description	Digital Communications in the 21st Century prepares students for the societal demands of increased civic literacy, independent working environments, global awareness, and the mastery of effective products based on well-researched issues to thoughtfully propose suggested solutions to authoritative stakeholders. Student use of the process-and-product approach provides authentic platforms from which students will be able to demonstrate effective application of multimedia tools within the contexts of global communications and collaborative communities and appropriately share their voices to affect change that concerns their future. Students discuss the implications of fake news, Photoshopping of the human image and more with regard to how consumers can determine what is true and what is a lie.
Prerequisites	None

Course	INTRODUCTION TO CULINARY ARTS B
Course number	8414.R(Y)
Service ID	13022550
Credit	1.0 elective credit
Grade level	8
Description	Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into kitchen safety, food production skills, various levels of industry management and hospitality.
Prerequisites	Recommended: Principles of Hospitality and Tourism

Course	INTERPERSONAL STUDIES P
Course number	8702.RJ000.X
Service ID	13024400
Credit	0.5 elective credit
Grade level	7
Description	This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles and pursue careers related to counseling and mental health services.
Prerequisites	Recommended: Principles of Human Services

Course	ROBOTICS I S
Course number	8715.RJ000.Y
Service ID	13037000
Credit	1.0 elective credit
Grade level	8
Description	In Robotics I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry
Prerequisites	Recommended: Principles of Applied Engineering

Course	PRINCIPLES OF DISTRIBUTION AND LOGISTICS
Course number	8905.RJ000.Y
Service ID	13039260
Credit	1.0 elective credit
Grade level	7-8
Description	In Principles of Distribution and Logistics, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the logistics of warehousing and transportation systems. Students should apply knowledge and skills in the application, design, and production of technology as it relates to distribution and logistics industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.
Prerequisites	

Course	INTRODUCTION TO WELDING
Course number	8612.RJ000.Y
Service ID	13032250
Credit	1.0 elective credit
Grade level	8
Description	Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.
Prerequisites	Recommended; Algebra 1

Course	INTRODUCTION TO TRANSPORTATION TECHNOLOGY
Course number	8906.RJ000.X
Service ID	13039270
Credit	0.5 elective credit
Grade level	7-8
Description	Introduction to Transportation Technology includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Transportation Technology includes applicable safety and environmental rules and regulations. In Transportation Technology, students will gain knowledge and skills in the repair, maintenance, and diagnosis of transportation systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.
Prerequisites	

Gateway Courses – Project Lead the Way (PLTW) 7th, 8th

Gateway is "activity-oriented" to show students how technology is used in engineering to solve everyday problems. The ten instructional units excite and motivate students to use their imaginations and teach them to be creative and innovative, while gaining the skills they need to develop, produce and use products and services. The following Project Lead the Way (PLTW) courses may be offered on your middle school campus (check with your counselors) The ten units are: Flight & Space; Energy and the Environment; App Creators; Computer Science for Innovators and Makers; Design & Modeling; Automation and Robotics; Magic of Electrons; Science of Technology; Green Architecture; Medical Detectives.
Prerequisites: None

Year-long Gateway Course Options

GTT DM and AR, GTT ME and ST, GTT FS and EE, GTT GA and MD and GTT AP and IM are offered as two-module, year-long combinations and are taken for 0.5 high school elective credit.

Course	Gateway to Tech PLTW FS/EE
Course number	8910.RJ000.Y (0.5 high school elective credit)
Service ID	N1303756

Course	Gateway to Tech PLTW AP/IM
Course number	8915.RJ000.Y (0.5 high school elective credit)
Service ID	N1303756

Course	**Gateway to Tech PLTW DM/AR**
Course number	8920.RJ000.Y (0.5 high school elective credit)
Service ID	N1303757

Course	**Gateway to Tech PLTW ME/ST**
Course number	8930.RJ000.Y (0.5 high school elective credit)
Service ID	N1303758

Course	**Gateway to Tech PLTW GA/MD**
Course number	8940.RJ000.Y (0.5 high school elective credit)
Service ID	N1303759

Language Arts Electives

Course	**ARTISTIC/IMAGINATIVE WRITING 7th, 8th**
Course info	9042.R0000.Y (year) 9042.R0000.X (semester)
Description	This course provides writing experience in several genres. Students engage in the writing process from prewriting to publication and will engage in peer review and self-reflection. Students examine important examples of literature in relevant genres as models and as subjects for technical analysis.
Prerequisites	None

Course	**COMMUNICATION APPLICATIONS**
Course info	1244.RJ000.X (0.5 elective credits) Grade: 8
Description	Students identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.
Prerequisites	None

Course	**PROFESSIONAL COMMUNICATIONS 7th, 8th**
Course info	8502.RJ000.X (0.5 elective credits) Grades: 7-8
Description	Professional Communications blends written, oral, and graphic communication in a career-based environment. Students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.
Prerequisites	None

Course	**PUBLICATIONS ENGLISH**
Course info	1077.R0000.Y (year; 7th) 1078.R0000.Y (year; 8th) 1077.R0000.X (semester; 7th) 1078.R0000.X (semester; 8th)
Description	Publications English is offered as an academic elective for students who wish to apply their writing skills to journalism. Students write and edit the school newspaper, yearbook, and/or for the school website or campus blog. Production may involve photography, layout, design, coding in HTML/CSS, and extensive writing.
Prerequisites	None

Course	**READING ELECTIVE**
Course info	1026.R0000.X/.Y ; ESL - E0000.Y ; Dyslexia – R1000.Y (6th grade) 1027.R0000.X/.Y ; ESL - E0000.Y ; Dyslexia – R1000.Y (7th grade) 1028.R0000.X/.Y ; ESL - E0000.Y ; Dyslexia – R1000.Y (8th grade)
Description	Students in elective reading classes read independently for sustained periods of time in a variety of texts to build fluency and comprehension. They engage in small and large group discussions. They expand their vocabulary through wide reading, word study, and use of visual, contextual, and structural clues. They use graphic organizers and other comprehension strategies in fiction and nonfiction texts. Students apply research strategies and study skills, producing short research reports with documentation.
Prerequisites	None

Course	**SPEECH**
Course info	1056.R0000.X/.Y (6th grade) 1057.R0000.X/.Y (7th grade) 1058.R0000.X/.Y (8th grade)
Description	This course develops the skills of the five functions of expression: participating in social traditions, informing, persuading, creating and imagining. Students will develop and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and professional presentations.
Prerequisites	None

Other Electives

Advancement Via Individual Determination (AVID) is a series of academic, regularly scheduled elective classes that use writing as a tool for learning, inquiry, and collaboration. The three main components of the AVID elective course are academic instruction (AVID curriculum), tutorial support, and motivational activities. The mission of the AVID program is to ensure that all students, especially students in the middle capable of completing a college-preparatory path, have a chance to succeed -and to increase enrollment of these students in four-year colleges and universities. This course cannot be taken as pass/fail.

Course	**AVID**
Course info	9217.R0000.Y (6th) 9218.R0000.Y (7th) 9219.R0000.Y (8th)
Description	The AVID class addresses key elements in college preparation: academic survival skills, college entry skills, tutorials, motivational activities, and career and college exploration. Additionally, students will improve their oral communication skills through presentation and Socratic Seminar, participate in writing to learn activities, including note-taking, learning logs, and essay writing, prepare for college entrance examinations, including the PSAT and TSI.
Prerequisite	GPA between 2.0 and 3.0; average or above-average standardized test scores, high motivation; positive attitude; parent contract; application and acceptance into the program; simultaneous enrollment in at least one honors, Advanced course, and/or high school bearing course.

Course	**AVID - DUAL LANGUAGE**
Course info	9217.D0000.Y (6th) 9218.D0000.Y (7th) 9219.D0000.Y (7th)
Description	The AVID class addresses key elements in college preparation: academic survival skills, college entry skills, tutorials, motivational activities, and career and college exploration. Additionally, students will improve their oral communication skills through presentation and Socratic Seminar, participate in writing to learn activities, including note-taking, learning logs, and essay writing, prepare for college entrance examinations, including the PSAT and TSI. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	GPA between 2.0 and 3.0; average or above-average standardized test scores, high motivation; positive attitude; parent contract; application and acceptance into the program; simultaneous enrollment in at least one honors, Advanced course, and/or high school bearing course. Participation in a Dual Language Program and/or Spanish proficiency.

Course	**AVID EXCEL**
Course info	9217.R1000.Y (6th) 9218.R1000.Y (7th) 9219.R1000.Y (8th)
Description	AVID Excel is a middle school elective. AVID Excel accelerates students' academic language acquisition and puts them on a path to high school AVID and college preparation. Through a sequential set of middle school courses, students are supported to build their academic language, leadership skills, and overall sense of commitment to school. The program gives intermediate-level bilingual students sustained and strategic academic and language-building support, while helping them form a strong bond with a cohort of peers who share their same college readiness goals.
Prerequisite	This class requires student willingness to engage in intensive language building and academic work leading to college readiness. Participating in the AVID Excel Summer Bridge for two weeks each summer (between 6th and 7th grade and between 7th and 8th grade) Application and acceptance into the program.

Course	**MIDDLE SCHOOL HEALTH EDUCATION**
Course info	7019.R0000.X/Y (non-high school credit/elective, grades 7/8)
Description	Students will have opportunities to learn about their own health and participate in projects that advocate for wellness for their community. This course covers the Texas Essential Knowledge and Skills for middle school health which includes: Introduction to Wellness, The Brain, Personal Health, Social Health, Practicing Wellness, and Health Advocacy. Can be offered as a yearlong course.
Prerequisites	None

Course	**HEALTH EDUCATION**
Course info	6000.RJ000.X (0.5 high school health education credits) Grade: 8 *6000.RJ0DL.X Dual Language (0.5 high school health education credits) Grade: 8
Description	This course presents extensive coverage of the Texas Essential Knowledge and Skills for Health including: consumer health; diseases; environmental health and safety; growth and development; health and fitness for daily living; nutrition; use and abuse of tobacco, alcohol and drugs; and the human life cycle. Students are encouraged to choose responsible health behaviors now and in the future. This course is for mature middle school students. Students who complete this course will earn 0.5 high school credit toward their graduation requirements. **This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.*
Prerequisites	None **Participation in a Dual Language Program and/or Spanish proficiency.*

Course	**COMPUTER TECHNOLOGY**
Course info	9826.R0000.X/Y (6th grade) 9827.R0000.X/Y (7th grade) 9828.R0000.X/Y (8th grade)
Description	Computer Technology is a sequence of courses that allows students to explore the world of creative computing through programming, robotics, and web technologies as well gain knowledge and skills in the application, design, production, and evaluation of current and leading-edge technological hardware and software. Students through the application of modern technologies will reinforce, apply, and transfer existing academic knowledge and skills to relevant real-world activities and problems. Throughout this course, students gain an understanding of career and secondary education opportunities in the growing field of computer science.
Prerequisites	None

Languages Other Than English

Recommended Dual Language Spanish Language Course Sequence

Grade	**Subject**
Sixth	Spanish for Spanish Speakers 3A
Seventh	Spanish for Spanish Speakers 3B
Eighth	AP Spanish Language and Culture
Ninth	Latin American Studies Seminar Course
Tenth	Advanced Spanish V
Eleventh	Cine las Américas Seminar Course
Twelfth	Advanced Language and Career Applications

Notes: Campuses may choose to offer AP Spanish Literature and Culture to students as a part of the Dual Language course sequencing. AP Spanish Literature and Culture is recommended for 11th or 12th grade students.

Discovering Languages and Cultures

Description: This is a non-sequential course that allows the student to explore other languages and cultures. The student demonstrates an understanding of the elements of language(s), demonstrates an understanding of cultures, and develops effective language study skills. ACTFL has established guidelines for proficiency levels that are used as a basis for the Texas essential knowledge and skills for LOTE. ACTFL has identified national standards in the Standards for Foreign Language Learning in the 21st Century (the five Cs of foreign language education). These standards describe the "what" (content) of world languages learning and form the core standards-based instruction in the world languages classroom. Although languages may vary by campus, more attention is given to those languages currently taught in AISD. In some cases, special discovery courses in Spanish may be offered for students to explore the multiple regions where Spanish is spoken.
Prerequisites: None.

Course numbers
9326.R0000.Y (6th; year)
9327.R0000.Y (7th)
9328.R0000.Y (8th)
9326.R0000.X (6th; semester)
9327.R0000.X (7th)
9328.R0000.X (8th)

Languages Other than English IA

Description: Level IA is the first half of Level I course of sequential world language instruction designed to develop fundamental language across the interpretive, interpersonal and presentational modes of communication. Culture and civilization of the target language is integrated into all aspects of the course. Students will develop confidence in using the target language to describe familiar topics such as family, hobbies and school life. Students will also use the language to connect with other content areas, make comparisons with their own language and culture, and participate in communities beyond the classroom. Students should perform at novice-mid proficiency by the end of the year. Students must complete part A in seventh grade and part B in eighth grade to earn 1.0 high school credit which will satisfy the first year of Languages Other Than English (LOTE) requirement in AISD's Foundation High School Program. Students who complete only one part will earn 0.5 credit that will count toward state elective graduation credit, appear on the transcript and will be included in the high school grade point average. Students are expected to complete both years of the same LOTE course. Students who do not complete the full 1.0 credit during middle school will be required to repeat the entirety of Level 1 in high school, not just a semester. By the end of the first year of world language study, students should be able to understand and communicate in the target language at a novice mid to novice high proficiency level set by ACTFL. Novice mid speakers are able to use memorized phrases and lists of words. Novice high speakers are able to use simple sentences and ask/answer questions about familiar topics.

Prerequisite: None.
Credit: 0.5 Language Other than English (LOTE) credit
Grade: 6-7 Depending on the campus

Subject	Course numbers
Chinese IA	2017.RJ0A0.Y
French IA	2012.RJ0A0.Y
German IA	2013.RJ0A0.Y
Japanese IA	2010.RJ0A0.Y
Latin IA	2014.RJ0A0.Y
Spanish IA	2015.RJ0A0.Y
Vietnamese IA	2111.RJ0A0.Y

Languages Other than English IB

Description: Level IB is the second half of the Level I course of sequential world language instruction designed to develop fundamental language across the interpretive, interpersonal and presentational modes of communication. Culture and civilization of the target language is integrated into all aspects of the course. Students will develop confidence in using the target language to describe familiar topics such as family, hobbies and school life. Students will engage in conversations, present information to an audience, and interpret culturally authentic materials in the target language. Students will also use the language to connect with other content areas, make comparisons with their own language and culture, and participate in communities beyond the classroom. Although there are some exceptions as referenced above, students generally complete part A in seventh grade and part B in eighth grade to earn 1.0 high school credit which will satisfy the first year of the LOTE requirement in AISD's Foundation High School Program. Under this scenario, students who complete only one year will earn 0.5 credit that will count toward state elective graduation credit, appear on the transcript and will be included in the high school grade point average. Students are expected to complete both years of the same Students who do not complete the full 1.0 credit during middle school will be required to repeat the entirety of Level 1 in high school, not just a semester. By the end of the first year of world language study, students should be able to understand and communicate in the target language at a novice mid to novice high proficiency level set by ACTFL. Novice mid speakers are able to use memorized phrases and lists of words. Novice high speakers are able to use simple sentences and ask/answer questions about familiar topics.

LOTE course.
Prerequisites: None
Credit: 0.5 LOTE credit
Grade: 6-8 Depending on the campus

Subject	Course numbers
Chinese IB	2017.RJ0B0.Y
French IB	2012.RJ0B0.Y
German IB	2013.RJ0B0.Y
Japanese IB	2010.RJ0B0.Y
Latin IB	2014.RJ0B0.Y
Spanish IB	2015.RJ0B0.Y
Vietnamese IB	2111.RJ0B0.Y

Languages Other than English I

Description: Level I is the first course of sequential world language instruction designed to develop fundamental language across the interpretive, interpersonal and presentational modes of communication. Culture and civilization of the target language is integrated into all aspects of the course. Students will develop confidence in using the target language to describe familiar topics such as family, hobbies and school life. Students will also use the language to connect with other content areas, make comparisons with their own language and culture, and participate in communities beyond the classroom. Students earn 1.0 high school credit which will satisfy the first year of Languages Other Than English (LOTE) requirement in AISD's Foundation High School Program. Students who complete only one part will earn 0.5 credit that will count toward state elective graduation credit, appear on the transcript and will be included in the high school grade point average. By the end of the first year of world language study, students should be able to understand and communicate in the target language at a novice mid to novice high proficiency level set by ACTFL. Novice mid speakers are able to use memorized phrases and lists of words. Novice high speakers are able to use simple sentences and ask/answer questions about familiar topics.

NOTE: Prerequisites are recommended for this accelerated pathway and will vary from campus to campus.
Credit: 1.0 LOTE credit
Grade: 7-8

Subject	Course numbers
Arabic I	2001.RJ000.Y
ASL I	2018.RJ000.Y
Chinese I	2017.RJ000.Y
French I	2012.RJ000.Y
German I	2013.RJ000.Y
Japanese I	2010.RJ000.Y
Latin I	2014.RJ000.Y
Spanish I	2015.RJ000.Y
Vietnamese I	2111.RJ000.Y

Languages Other than English II

Description: Level II is a continuation of the development of the three modes of communication. Students will continue to learn vocabulary and grammatical structures on familiar topics of interest necessary to communicate in everyday, realistic situations. Students will also expand their knowledge and appreciation of the culture and civilization of the target language. By the end of the second year of world language study, students should be able to understand and communicate in the target language at a novice high intermediate low proficiency level set by ACTFL. Novice high speakers are able to communicate using simple sentences and ask/answer questions about familiar topics. Intermediate low speakers are able to begin creating original sentences with language.

Credit: 1.0 (LOTE)
Grades: 8
Prerequisites: Level I of LOTE or appropriate Credit by Exam (CBE) or district-approved placement test or ability to show proficiency of the lower level.

Language	Course Number	Service ID
ARABIC II	2002.RJ000.Y	03110200
ASL II	2028.RJ000.Y	03980200
CHINESE II	2027.RJ000.Y	03490200
FRENCH II	2022.RJ000.Y	03410200
GERMAN II	2023.RJ000.Y	03420200
ITALIAN II	2021.RJ000.Y	03400200
JAPANESE II	2020.RJ000.Y	03120200
KOREAN II	2125.RJ000.Y	11403000
LATIN II	2024.RJ000.Y	03430200
SPANISH II	2025.RJ000.Y	03440200
SPANISH II for Spanish Speakers	2625.RJ000.Y	03440220
SPANISH II for Spanish Speakers, *Dual Language*	2625.RJ0DL.Y	03440220
VIETNAMESE II	2121.RJ000.Y	03510200

Spanish for Spanish Speakers (SSS)

Description: Courses offer sequential Spanish language arts instruction with LOTE requirements. Students will engage in conversations, present information to an audience, and interpret culturally authentic materials in the Spanish language. Students will also use the language to connect with other content areas, make comparisons with their own language and culture, and participate in communities beyond the classroom. Students should perform at novice-med-to- high proficiency by the end of the year. Students can earn 0.5 - 1.0 high school credit for each SSS course they pass that applies to the LOTE requirement in the AISD's Foundation High School Program.
Prerequisite: Successful completion of K-5 DL program and/or proficiency in Spanish.

Course numbers	Course name	Length of course	Credit Earned
6th Grade 2635.HJADL.Y	Spanish 3A DL	Year	0.5
7th Grade 2635.HJBDL.Y	Spanish 3B DL	Year	0.5
8th Grade 2545.PJ0DL.Y	AP Spanish Language and Culture	Year	1.0

AP Spanish Language and Culture Dual Language

Description: The Advanced Placement Program® has enabled millions of students to take college-level courses and earn college credit, advanced placement, or both, while still in high school. AP Exams are given each year in May. Students who earn a qualifying score on an AP Exam are typically eligible, in college, to receive credit, placement into advanced courses, or both. Every aspect of AP course and exam development is the result of collaboration between AP teachers and college faculty. They work together to develop AP courses and exams, set scoring standards, and score the exams. College faculty review every AP teacher's course syllabus.
The AP Spanish Language & Culture course emphasizes communication (understanding and being understood by others) by applying interpretive, interpersonal, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language & Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught exclusively in Spanish. At this level, it is crucial that students are exposed to a wide array of authentic materials such as audio and video resources as well as written and literary texts.
The AP Spanish Language & Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).
Whether weighted or AP, students should perform at intermediate-high to advanced low proficiency by the end of the year, with the exception of other LOTEs that follow different proficiency targets.
In May, students may opt to take the College Board Advanced Placement examination in their target language. These exams provide a measure of a student's ability to communicate in the target language via tasks that allow them to demonstrate their skills in the interpretive, interpersonal and presentational modes of communication. The exam also assesses a student's familiarity with the target culture. An incentive for taking the exam is the potential for receiving a sufficient score that will grant college credit hours. In general, these exams are taken at the end of the level IV course, although some students may wait until the fifth-year of language study to take the examination.

Course Number	Length of Course	Prerequisite
2545.PJ0DL.Y (Dual Language)	Year	Spanish, Level III or equivalent proficiency.

Section III: High School Graduation Requirements

High School Level Education

The high school curriculum in the AISD is designed to meet the needs of students preparing for college, careers and citizenship in the community. AISD offers a full range of courses, advanced academic courses, and a comprehensive array of Career and Technical Education programs. All AISD students are expected to prepare for both college and careers.

In addition to the core academic programs, each high school also offers a variety of extracurricular and co-curricular programs for students. High school students can perform in a marching band, star in a dramatic production, learn modern dance, or edit a newspaper. They can compete in volleyball, football or any of a dozen other sports. Every campus has numerous clubs and organizations students can join for fun and education.

Browse through the course offerings in this guide to identify electives or programs that interest you. Counselors are available to help students identify courses to take, but students should discuss their goals and interests with parents as well. Students and their families should explore the many college scholarship opportunities available to successful high school students. Scholarship information is provided to eleventh and twelfth grade students. See your counselor for scholarship information.

Graduation Programs

For all students who entered high school beginning in the 2014-15 school year, the graduation program includes four parts:

- A 22-credit foundation program which is the core of the new Texas high school diploma
- Five endorsement options that allow students to focus on a related series of courses
- A higher performance category called Distinguished Level of Achievement
- Performance Acknowledgments that note outstanding achievement

Students who entered ninth grade for the first time during or after the 2014-2015 school year will be enrolled under the Distinguished Level of Achievement (26 credits) and must declare an Endorsement. Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area. Students can choose from five endorsement areas:

- Science, Technology, Engineering and Math (STEM)
- Business and Industry
- Public Service
- Arts and Humanities
- Multidisciplinary Studies

Please note that while all five endorsements may or may not be offered on your campus, and not all college and career pathways may be available. Contact your school for specific information.

All students must take required English, mathematics, science and social studies courses in the year they enter high school, and they must continue those courses annually until all requirements are met.

Graduation Ceremonies

To participate in graduation ceremonies, students are required to complete all graduation course requirements and must meet acceptable standards as set by the state Commissioner of Education on STAAR End-of-Course assessments. Contact your school counselor for specific information.

Students entering ninth grade in school year 2014-15 and beyond, can graduate under one of the graduation programs outlined below. Note: A student may not combine a half credit of a course for which there is an end of course assessment with another half credit to satisfy a graduation requirement. Exception: English I and ESOL I; English II and ESOL II. See details on next pages.

Foundation High School Program (FHSP; 22 credits)	FHSP + Endorsement (26 credits)	FHSP + Endorsement + Distinguished Level of Achievement (26 credits) *AISD's prescribed plan for all incoming ninth graders*
English Language Arts (4 credits) • English I • English II • English III • 4th ELA Credit **Mathematics (3 credits)** • Algebra I • Geometry • Additional Math from Group A and/or Group B **Social Studies (3 credits)** • World Geography or World History • U.S. History • Government (0.5) • Economics (0.5) **Science (3 credits)** Biology Additional Science from Group A Additional Science from Group B **Language Other than English (2 credits)** **Physical Education (1 credit)** **Health (0.5 credits)** **Fine Arts (1 credit)** **Electives (4.5 credits)**	Completion of all Foundation credits plus: Mathematics (1 additional credit) Additional Math from Group B Science 1 additional credit from Group B Language Other than English – No substitutions other than specified in rule Electives (2 additional credits) **Available Endorsements:** Science, Technology, Engineering, & Mathematics (STEM) Business & Industry Public Service Arts & Humanities* Multidisciplinary	Completion of all Foundation credits and at least one Endorsement Mathematics to include completion of Algebra II

English Language Arts

The 4th English Language Arts credit may be selected from one full credit or a combination of two half-credits, subject to prerequisite requirements, from the following courses:

- English IV
- Independent Study in English
- Literary Genres
- Creative Writing
- Research and Technical Writing
- Humanities
- Public Speaking III
- Communication Applications (0.5 credit course, which must be combined with another half-credit from the other courses listed
- Oral Interpretation III
- Independent Study in Speech
- Advanced Broadcast Journalism III
- Advanced Journalism: Newspaper III
- Advanced Journalism: Yearbook III
- AP English Literature and Composition
- IB Language Studies A1 Higher Level
- Business English
- College Preparatory ELA
- Debate III
- Independent Study in Journalism

Emergent Bilingual learners who are at the beginning- or intermediate-level of English Language proficiency, may satisfy the English I and English II graduation requirements by successfully completing English I for Speakers of Other Languages (ESOL I) and English II for Speakers of Other Languages (ESOL II). Students may combine a half-credit of English I with a half-credit of ESOL I to satisfy the English I graduation requirement. Same applies to the combination of English II and ESOL II. Although these courses are EOC courses, the TEKS for these are identical, which allows for the combining of English I with ESOL I and/or English II with ESOL II.

Mathematics

Group A

Additional credit may be selected from one full credit or a combination of two half-credits from two different courses, subject to prerequisite requirements, from the following courses:

- Mathematical Models with Applications
- Mathematical Applications in Agriculture, Food, and Natural Resources
- Digital Electronics
- Robotics Programming and Design
- Financial Mathematics
- Mathematics for Medical Professionals
- Applied Mathematics for Technical Professionals
- Accounting II
- Manufacturing Engineering Technology II
- Robotics II

Group B

The additional credit may be selected from one full credit or a combination of two half-credits from two different courses, subject to prerequisite requirements, from the following courses:

- Algebra II
- Precalculus
- Advanced Quantitative Reasoning
- Independent Study in Mathematics
- Discrete Mathematics for Problem Solving
- Algebraic Reasoning
- Statistics
- AP Statistics
- AP Calculus AB
- AP Calculus BC
- AP Computer Science A
- IB Computer Science Higher Level
- IB Mathematical Studies Standard Level
- IB Mathematics Standard Level
- IB Mathematics Higher Level
- IB Further Mathematics Higher Level
- Engineering Mathematics
- Statistics and Business Decision Making
- Mathematics for Medical Professionals
- Discrete Mathematics for Computer Science
- College Preparatory Math*

*After completion of all Foundations math requirements.
Note: If Mathematical Models with Applications was completed prior to September 1, 2015, the course is ineligible for a fourth math credit.

Science

Group A

One credit must be selected from the following laboratory-based courses:

- Integrated Physics and Chemistry
- Chemistry
- Physics
- Principles of Technology*
- TEA states an AP or IB science course in accordance with §74.11(h) of this title
- AP Physics 1: Algebra-Based
- IB Physics

Group B

The additional credit may be selected from one full credit or a combination of two half-credits, subject to prerequisite requirements, from the following laboratory-based courses:

- Chemistry
- Physics
- Aquatic Science
- Astronomy
- Earth and Space Science
- Environmental Systems
- AP Biology
- AP Chemistry
- AP Physics 1: Algebra-Based
- AP Physics 2: Algebra-Based

- AP Physics C
- AP Environmental Science
- IB Biology
- IB Chemistry
- IB Physics
- IB Environmental Systems
- Advanced Animal Science;
- Advanced Plant and Soil Science
- Anatomy and Physiology;
- Medical Microbiology
- Pathophysiology
- Food Science
- Forensic Science
- Biotechnology I
- Biotechnology II
- Principles of Technology*
- Scientific Research and Design
- Engineering Design and Problem Solving
- Engineering Science

*One science credit may be earned for either Principles of Technology or Physics.

Social Studies

Three credits. Two credits must consist of United States History Studies Since 1877 (one credit), United States Government (one-half credit), and Economics with Emphasis on the Free Enterprise System and Its Benefits (one-half credit). The additional credit may be selected from the following courses:

- World History Studies
- World Geography Studies

Languages Other Than English (LOTE)

The credits may be selected from the following:

- Any two levels in the same language; or
- Two credits in computer programming languages selected from Computer Science I, II, III, AP Computer Science Principles, AP Computer Science A, IB Computer Science Standard Level and IB Computer Science Higher Level.

If a student, in completing the first credit of LOTE, demonstrates that the student is unlikely to be able to complete the second credit, as agreed upon by the teacher of the first LOTE credit or another LOTE teacher designated by the school district, the principal or designee, the student's parent or person standing in parental relation, the student's ARD committee if applicable, or committee established for the student under Section 504, Rehabilitation Act of 1973 if applicable, the student may substitute another appropriate course as follows:

- Special Topics in Language and Culture;
- World History Studies or World Geography Studies for a student who is not required to complete both by the local district;
- Another credit from LOTE; or
- Computer programming languages.

A student, who due to a disability, is unable to complete two credits in the same language in a language other than English,** may do so by one of the following options:
Substitute a combination of two credits from the following core courses, but courses that satisfy FHSP requirements cannot be used to satisfy LOTE substitutions:

- English Language Arts
- Mathematics
- Science
- Social Studies

Complete two credits in Career and Technical Education
Complete two credits in Technology Applications

**The determination to complete the LOTE credit requirements, will be made by the student's ARD committee or the committee established for the student under Section 504, Rehabilitation Act of 1973, whichever applies.

General Physical Education

The required credit may be selected from any combination of the following one-half to one credit courses:

- Aerobic and Conditioning or Aerobic Dance
- Adventure/Outdoor Education
- Team Sports or Individual Sports
- Foundations of Personal Fitness (0.5 credits)

Note: Credit may not be earned for any TEKS-based course more than once. No more than four PE credits may be earned through general PE.

Physical Education Substitutions

Students may substitute certain physical activities for required PE credits:

- Athletics (up to four credits)
- JROTC (up to 1.0 state credit)

- Approved private/commercially-sponsored physical activity programs conducted on or off campus (up to 4 credits for Category 1 and up to 1 credit for Category 2)

Activity based substitutions may not be combined for more than one state elective credit. Additional credits earned will be posted on the student's transcript as local credits.

- Drill Team (Fall and spring; 1.0 state credit)
- Marching Band (Fall only; 1.0 state credit)
- Cheerleading (Fall and spring; 1.0 state credit)

Note: All allowed substitution activities must include at least 100 minutes per five-day week of moderate to vigorous physical activity. No more than four PE credits may be earned through any combination of general PE or PE substitutions.

Health

Students satisfying the Health requirement through Principles of Health Science course must complete this yearlong course to receive credit.

Fine Arts

One credit. The credit may be selected from the following courses subject to prerequisite requirements:

- Art, Level I, II, III, or IV
- Dance, Level I, II, III, or IV
- Music, Level I, II, III, or IV
- Music Studies
- Theatre, Level I, II, III, or IV
- Musical Theatre, Level I, II, III, or IV
- Technical Theatre, Level I, II, III, or IV
- Principles and Elements of Floral Design
- Digital Art and Animation
- 3-D Modeling and Animation

Elective Courses

From any of the following:

- High school courses not required for graduation for all course offerings
- State-approved innovative courses
- Junior Reserve Officer Training Corps (JROTC) – one to four credits
- Driver Education – one half-credit
- College Board Advanced Placement courses
- International Baccalaureate courses
- Courses offered for dual credit

AISD CTE Endorsement Requirements

A course completed as part of the set of four courses needed to satisfy an endorsement requirement may also satisfy a requirement under the Foundation High School Program, including an elective requirement. Career and Technical Education (CTE) sequences are collaboratively developed by the CTE Department and each school.
Helpful Terms:

- Programs of Study: Related series of courses grouped by interest or skill set; provide in-depth knowledge of a subject area.
- Career Cluster: The 16 national occupation groupings, can be divided into more specific pathways of study.
- *Pathway: A course of study related to a particular career cluster; consists of a coherent sequence of courses designed at the local level (LEA). Please see campus CTE Programs of Study documents for the pathways available by campus.
- *Coherent Sequence: Group of courses progressing from introductory to advanced level study, designed at local level (LEA).
- Postsecondary credential: A validated, recognized or required certification or licensure related to a career field and/or college credit(s) and/or degree(s), certificate(s).

AISD Graduation Requirements
All AISD incoming ninth graders are set on the FHSP + Endorsement + Distinguished Level of Achievement graduation plan. A student must successfully complete all Foundation credit requirements and:

- One additional math credit (Algebra II)
- One additional science credit
- Two LOTE credits
- Two additional elective credits, and endorsement credits

Science Technology Engineering and Mathematics (STEM) Endorsement [19 TAC 74.13 (f)(1)(a)]

Math Requirement	Algebra II
Science Requirement	Chemistry Physics
CTE Requirements	Four or more credits in a *coherent sequence with at least three courses in an approved CTE STEM* pathway At least one advanced CTE course in an approved AISD CTE *coherent sequence Final course must come from the STEM cluster

Business & Industry Endorsement [19 TAC 74.13 (f)(2)(a)]

CTE Requirements	Four or more credits in an approved AISD CTE *coherent with at least three courses in an approved CTE STEM *pathway At least one advanced CTE course in an approved AISD CTE *coherent sequence

Public Services Endorsement [19 TAC 74.13 (f)(3)(a)]

CTE Requirements	Four or more credits in an approved AISD CTE *coherent with at least three courses in an approved CTE STEM *pathway At least one advanced CTE course in an approved AISD CTE *coherent sequence

TEA Endorsement Requirements

Science, Technology, Engineering, and Mathematics (STEM)

A student may earn a STEM endorsement by completing the requirements specified in Foundation High School Graduation Program including algebra II, chemistry, and physics or Principles of Technology and:
A coherent sequence of courses for four or more credits in CTE that consists of least two courses in the same career cluster including at least one advanced CTE course. The final course in the sequence must be selected from one of the following CTE career clusters:

- STEM
- Career Preparation I or II, and Problems and Solutions I or II, or Project-Based Research I, II or III in Chapter 127, if the course addresses a STEM-related field

A coherent sequence of four credits in computer science selected from the following:

- Fundamentals of Computer Science
- Computer Science I
- Computer Science II
- Computer Science III
- Discrete Mathematics for Computer Science
- Digital Forensics
- Game Programming and Design
- Mobile Application Development
- Robotics Programming and Design
- Independent Studies of Technology Applications
- AP Computer Science
- IB Computer Science, Standard Level
- IB Computer Science, Higher Level

Three credits in mathematics by successfully completing Algebra II and two additional mathematics courses for which Algebra II is a prerequisite (see Group B)
Four credits in science by successfully completing chemistry, physics and two additional science courses (see Group B)
In addition to Algebra II, chemistry, and physics, a coherent sequence of three additional credits from no more than two of the categories or disciplines previously listed above (CTE, computer science, mathematics, or science).

Business and Industry

A student may earn a business and industry endorsement by completing the requirements specified in the Foundation High School Graduation Program and:
A coherent sequence of courses for four or more credits in CTE that consists of least two courses in the same career cluster including at least one advanced CTE course. The final course in the sequence must be selected from one of the following CTE career clusters:

- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Arts, Audio/Video Technology, and Communications
- Business Marketing and Finance
- Hospitality and Tourism
- Information Technology
- Manufacturing
- Transportation, Distribution, and Logistics
- Career Preparation I or II, Problems and Solutions I or II, or Project-Based Research I, II or III if the course addresses a career from a field listed above

Four Technology Applications credits (Now CTE) by selecting from the following:

- Digital Design and Media Production
- Digital Art and Animation
- 3-D Modeling and animation
- Digital Communications in the 21st Century
- Digital Video and Audio Design
- Web Communications
- Web Design
- Web Game Development
- Independent Study in Evolving/Emerging Technologies

Four English elective credits to include three levels of the following areas:

- Public Speaking
- Debate
- Advanced Broadcast Journalism
- Advanced Journalism: Newspaper
- Advanced Journalism: Yearbook
- Advanced Journalism: Literary Magazine
- A coherent sequence of four credits from one of the two categories listed in the Business & Industry section (CTE or English).

Public Services

A student may earn a public services endorsement by completing the requirements specified in Foundation High School Graduation Program and:
A coherent sequence of courses for four or more credits in CTE that consists of least two courses in the same career cluster including at least one advanced CTE course. The final course in the sequence must be selected from one of the following CTE career clusters:

- Education and Training
- Health Science
- Human Services
- Law and Public Service
- Career Preparation I or II, Problems and Solutions I or II, or Project-Based Research I, II or III if the course addresses a career from a field listed above

Four courses in Junior Reserve Officer Training Corps (JROTC)

Multidisciplinary Studies

A student may earn a multidisciplinary studies endorsement by completing the requirements specified in Foundation High School Graduation Program and:

- Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence; or
- Four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics;
- Four credits in Advanced Placement, International Baccalaureate, or dual credit courses selected from English, Mathematics, Science, Social Studies, Economics, Languages Other Than English, or Fine Arts.

Arts and Humanities

- A student may earn an arts and humanities endorsement by completing the requirements specified in Foundation High School Graduation Program and:

- Five social studies credits
- Four levels of the same language in a Language Other Than English
- Two levels of the same language other than English and two levels of a different language in a Language Other Than English
- Four levels of American Sign Language
- Four credits in fine arts completed in a coherent sequence by selecting courses from one or two categories or disciplines in fine arts: art, dance, music, theatre or innovative courses approved by the commissioner
- Four English elective credits from the following:

    - English IV
    - Independent Study in English
    - Literary Genres
    - Creative Writing
    - Research and Technical Writing
    - Humanities
    - Communication Applications
    - AP English Language and Composition
    - AP English Literature and Composition
    - IB Language Studies A: Language and Literature Standard Level
    - IB Language Studies A: Language and Literature Higher Level
    - IB Language Studies A: Literature Standard Level
    - IB Language Studies A: Literature Higher Level
    - Literature and Performance Standard Level

Note: Students pursuing an Arts & Humanities endorsement, with written permission from parent/guardian may substitute the fourth science credit from courses selected from: ELA / Reading; Social Studies / Econ with Free Enterprise, LOTE, and Fine Arts. However, substituting the fourth credit in science disqualifies students from the FHSP Distinguished Level of Achievement.

Performance Acknowledgements

A student may earn a performance acknowledgment on the student's transcript for outstanding performance in a dual credit course by successfully completing:

- At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0; or
- An associate's degree while in high school.

A student may earn a performance acknowledgment on the student's transcript for outstanding performance in bilingualism and biliteracy as follows:

1. A student may earn a performance acknowledgment in bilingualism and biliteracy by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:

    a. Completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and
    b. Satisfying one of the following:
        i. Completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
        ii. Demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
        iii. Completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or
        iv. Demonstrated proficiency in one or more languages other than English through one of the following methods:
            1. A score of 3 or higher on a College Board AP exam for a language other than English; or
            2. A score of 4 or higher on an IB exam for a higher-level language other than English course; or
            3. Performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent
2. In addition to meeting the requirements to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:
    a. Participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and
    b. Scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

A student may earn a performance acknowledgment on the student's transcript for outstanding performance on a College Board Advanced Placement test or International Baccalaureate examination by earning a score of:

- 3 or above on a College Board Advanced Placement examination; or
- 4 or above on an International Baccalaureate examination.

A student may earn a performance acknowledgment on the student's transcript for outstanding performance on an established, valid, reliable, and nationally norm-referenced preliminary college preparation assessment instrument used to measure a student's progress toward readiness for college and the workplace or on an established valid, reliable, and nationally norm-referenced assessment instrument used by colleges and universities as part of their undergraduate admissions process by earning:

- A score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation;
- The college readiness benchmark score on at least two of the four subject tests on the ACT AspireTM examination;
- A score of at least 1310 on the SAT® examination; or
- A composite score on the ACT® examination of 28 (excluding the writing subscore).

A student may earn a performance acknowledgment on the student's transcript for earning a nationally or internationally recognized business or industry certification or license as follows:

1. A student may earn a performance acknowledgment with performance on an examination:
    a. Or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
    b. Sufficient to obtain a government-required credential to practice a profession.
2. Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by a:
    a. National or international business, industry, or professional organization;
    b. State agency or other government entity; or
    c. State-based industry association.
3. Certifications or licensures for performance acknowledgements shall:
    a. Be age appropriate for high school students;
    b. Represent a student's substantial course of study and/or end-of-program knowledge and skills;
    c. Include an industry recognized examination or series of examinations, an industry validated skill test, or demonstrated proficiency through documented, supervised field experience; and
    d. Represent substantial knowledge and multiple skills needed for successful entry into a high-skill occupation.

Section IV: High School Information and Course Descriptions

Admission and Placement of New Students

Parents and students are responsible for assuring that the enrolling campus received the high school educational records for a student who is registering. Courses will be evaluated for transfer of credit. Award of credit is based on alignment with Texas Essential Knowledge & Skills. A student entering the district from non-accredited public, private, or parochial school, including home schools, shall be placed initially at the discretion of the principal, pending assessment appropriate to the student's grade level, validation of credits, or results of credit-by-examination tests [FD (LOCAL)]. Student or parent shall request credit validation at the time of registration. Please check with your campus registrar for more information.

Letter Grades

When students transfer to AISD from a school that gives letter grades, a uniform grading system for translating letter grades is used in all secondary schools. The chart below defines the alpha-to-numeric conversion used in AISD. When an alpha-to-numeric conversion scale is provided from the sending district, the sending district's grading scale is used in lieu of AISD's conversion chart.

Alpha to Numeric Conversion Chart

Excellent	A+	99
	A	96
	A-	92
Good	B+	89
	B	86
	B-	82
Fair	C+	79
	C	76
	C-	72
	D	70
Failing	F (below 70)	60

This alpha-to-numeric conversion also applies to grades completed through the dual credit program. A high school student enrolled in dual-credit course in which only letter grades are assigned may request a numerical grade from his or her instructor. College instructors, however, are *not required* to grant requests for numerical grades. It is the student's responsibility to verify if the instructor agrees to provide a numerical grade prior to enrolling in the course. To request a numerical grade, a student must contact the college instructor and request that a numerical grade be sent to the student's high school registrar. Please note that the numerical grade provided by the instructor will be used in lieu of the established alpha-to-numeric chart conversion scale.

High School Grade-level Classification

Promotion, grade-level advancement, and course credit shall be based on mastery of the curriculum. Grade-level advancement for students in grades nine through 12 shall be determined by course credits and the student's original year of entry into grade nine (EIE LOCAL).

Grade Classification

Grade Level	Years Completed	Credits Required
Ninth (Freshman)	Completion of eighth grade	0-4.5
Tenth (Sophomore)	One year of high school	5
11th (Junior	Two years of high school	10
12th (Senior)	Three years of high school	15

**Credits denied due to excessive absences are not included when determining credit totals.

Early Graduates

A parent is entitled to request, with the expectation that the request will not be unreasonably denied, that the student be permitted to graduate from high school earlier than the student would normally graduate, if the student completes all required courses and exit-level assessment requirements for graduation. Students seeking graduation in fewer than four years should see their school counselor or registrar to obtain an early graduation intent form. Prior to grade level reclassification to grade 12 the student must:

- Meet the minimum credit requirements for grade level reclassification;
- Show evidence of course-completion probability for their intended graduation plan;
- Submit a completed early graduation intent form with required signatures.

Grade point averages for a student who completes the high school program requirements in fewer than four years shall be ranked with the class in which the student actually graduates.

Rank in Class

The purpose of the district's class rank policy is to promote rigorous academic standards and readiness for college, career, and life in a globally competitive economy. Class ranking shall be used to determine district honors and awards and will be submitted to colleges.

Class rank shall be determined by descending order of students' weighted GPAs earned in courses that satisfy the students' graduation plans in the following curriculum categories:

- English/Language Arts;
- Mathematics;
- Science;
- Social Studies;
- Languages Other than English (LOTE up to two credits).

If a student exceeds the required number of courses necessary to satisfy the graduation requirements in one or more of the disciplines listed above, then the courses that yield the highest grade points within those disciplines that satisfy the graduation requirements will be included in calculating class rank. Elective courses are not included in calculating class rank. The scale to compute numerical grades into mathematically computed scores used to determine honor roll status, GPA, and rank in class can be found in Appendix A.

For purposes of identifying local honors positions of the valedictorian, the salutatorian, and the highest ranking graduate, class rank shall be calculated at the end of the sixth six weeks and shall be based on all available final grades earned in courses counted toward class rank by the end of the regular school year.

The valedictorian and the salutatorian shall be the eligible students with the highest and second highest class ranking who have:

- Reached completion of Distinguished Level of Achievement under the Foundation High School Program.
- Met all course requirements or demonstrated subject mastery (course proficiency) through state-approved placement examinations;
- Been continuously enrolled in and attending classes at the same district high school for two regular school years immediately preceding the students' graduation.

Ranking recognition is as follows:

- Valedictorian meets all the requirements for graduation, campus enrollment requirements, and has the highest rank in the graduating class.
- Salutatorian meets all the requirements for graduation, campus enrollment requirements, and has the second highest rank average in the graduating class.
- Co-valedictorian will be named in the event of a tie for the valedictorian. The position of salutatorian will then remain vacant.
- Co-salutatorians will be named in the event of a tie for salutatorian.
- Graduates with highest honors are students whose rank-in-class are within the top two percent.
- Graduates with higher honors are students whose rank-in-class are within the next three percent.
- Graduates with high honors are students whose rank-in-class are within the next five percent.

For more information about rank see Appendix G, also please consult AISD policy EIC(LOCAL) and EIC(REGULATION).

Pass/Fail Courses

A high school student may choose to take a course on a pass/fail (P/F) basis, if the course is beyond state and district graduation requirements in that subject area and is not to be used to satisfy the elective credit requirement for the graduation plan that the student has declared. The grade will not be included in the computation of the student's grade point average (GPA). Please note the following:

- A student must request pass/fail status in a course no later than the last instructional day of the first six weeks of the semester. Pass/fail status must be submitted each semester.
- Once a student enrolls in a course on a pass/fail basis, the request to take the course on a pass/fail basis may not be rescinded.
- Written approval of the principal or designee, the teacher, and the parent must be acquired prior to placement in a course on a pass/fail basis.
- The pass/fail option is available for high school credit courses only.
- The grades in a course taken on a pass/fail basis will be recorded numerically for each six weeks grading period and for the final exam, but the final course grade will be recorded as a "P" or an "F."
- Transfer grades of "P" or "F": Credits transferred from other school districts with an assigned grade of "P" or "F" shall remain a "P" or "F." The grade will not be included in the computation of the student's GPA and will count towards state and district graduation credit requirements, as determined by the sending district.

Earning College Credit While in High School

AISD provides multiple opportunities to acquire college credit. Credit may be obtained through College Board approved Advanced Placement (AP) Examinations or International Baccalaureate (IB) Examinations; dual credit courses, and articulated courses. These options are provided on various high school campuses. In all situations, students must verify how credits will be applied to both their high school transcript and their college transcript.

Advanced

Advanced courses are designed to teach students study skills and learning strategies. Advanced courses are available to all students in all AISD middle and high schools. Courses vary from campus to campus based on course demand. These courses are based on grade-level curriculum aligned with the TEKS and provide a value-added layer by integrating strategies that support academic acceleration, including AVID, problem-based learning, and social and emotional learning. Advanced courses are offered in grades six through 10 and carry weighted grade points.

Advanced Placement (AP)

Advanced Placement offers college-level curricula and exams. AP courses require students to study content with more depth and complexity at a more challenging pace. AP courses are available to all students in all AISD high schools. Courses vary from campus to campus based on course demand. Teachers of these courses have specialized training. AP exam scores of 3, 4, or 5 may be used by colleges to grant course credit or placement. Students have the opportunity to pay a fee to the College Board to take AP Exams administered in May. AP courses carry weighted grade points.

International Baccalaureate Program

The International Baccalaureate (IB) program, offered only at L.C. Anderson High School and open to all students, district and non-district, is an internationally recognized curriculum that offers 11th and 12th grade students an opportunity to earn an IB Diploma. This program of study offers an integrated approach to learning across the disciplines with an emphasis on meeting the challenges of living and working in a global, technological society.

The IB Middle Years Program, offered only at Murchison Middle School, provides a framework of academic challenge that encourages students to embrace and understand the connections between traditional subjects and the real world and become critical and reflective thinkers.

Dual Credit

High school and college credit can be earned at the same time by taking college courses while still in high school. Some Approved dual credit courses may be offered on high school campuses, at higher education institutions where AISD has an agreement, or through an approved distance learning program. For detailed information about the qualifications and enrollment in dual credit opportunities, consult your school high counselor. Students who qualify will be required to complete enrollment documentation, which may be unique to each dual credit institution/program. Courses approved for dual credit are listed in Appendix B of the SSIG.

The dual credit program requirements are listed below:

- Meet with an AISD counselor prior to beginning the dual credit process

- Be college ready by meeting TSI standards for courses with this requirement, and course prerequisites prior to enrolling in classes
- Complete the dual credit form and obtained the required approvals; and
- Be advised by college advisor
- Obtain a parking permit if attending an ACC campus

Career and Technical College Articulated Courses

Certain content-enhanced career and technical high school courses have been found to be substantially equal to college courses. A course may be offered only for articulated credit if the high school instructor meets the instructor requirements stipulated by the college. A student completing these courses must achieve a grade of 80 or above, satisfactorily complete other college exam and/or portfolio requirements in the identified course and, where applicable, meet special conditions to receive articulated credit. All courses eligible for college credit are identified on the high school transcript with the special explanation course code "A." This code helps participating colleges identify courses taught for award of articulated college credit. Completion of these college-level courses provides a way to start a college technical major in high school and continue in a participating post-secondary institution. The result is a certificate or associate degree in a career field. A list of articulated courses with colleges, universities, and institutes and through Advanced Technical Credit Statewide Articulation is shown in Appendix C.

Dual Enrollment Courses (through UT OnRamps)

UT OnRamps is a dual enrollment program that also awards college credit upon successful completion of a course. Student coursework is graded by an AISD teacher and a UT professor. The student receives two separate grades. The grade issued by the AISD teacher will be recorded on the student's AISD transcript and the grade awarded by the UT professor determines the student's eligibility to earn the college credits for that course. If eligible to earn credit, the student has the option within the allowable window of time to accept the college credit or not.

Early College High School

Early College High Schools (ECHS) are innovative high schools that allow students least likely to attend college an opportunity to earn a high school diploma and 60 college credit hours. Early College High Schools:

- Provide dual credit at no cost to students
- Offer rigorous instruction and accelerated courses
- Provide academic and social support services to help students succeed
- Increase college readiness, and
- Reduce barriers to college access.

Students entering grades nine or 10 are eligible.
What's required?

- Satisfactory reading and writing scores on the TSI Assessment, SAT or ACT exams.
- Acceptance into a partner school or ACC's Early College High School for Independent Learners program.
- Complete the ACC enrollment process.
- Selection of and registration for ACC classes before the open registration deadline.

College Readiness & TSIA (Texas Success Initiative Assessment)

The TSI is designed to measure college readiness skills in the areas of reading, writing and math. If you are a student planning to enroll in college level coursework, you may need to take the TSI exam. Some students are exempt from the TSI exam, provided they meet the following criteria:

- ACT: composite scores of 23, English 19, math 19;
- SAT: combined scores of 1070, critical reading 500 and math 500;
- TSI: math 350, reading 351, writing multiple-choice (MC) score of 340 with an essay score of 4 OR an essay score of 5 or higher, with a multiple-choice score below 340 (and ABE score of 4).

For more information about the TSI, visit the College Board website. Also visit your campus College & Career Center for TSI test dates/information.

AISD encourages students to enroll in rigorous coursework to academically prepare for the rigor in higher education. Upon entering a college or university program, if a student does not meet specific criteria for the Texas College Readiness standards, students will be required to take developmental courses in Reading, Math, or Writing.
Why should it matter to me?
Upon high school graduation, students must meet the college readiness standard or they will be required to pay for developmental classes at the college they are attending.
How can my child graduate College Ready?
Many of our high schools offer free tutoring programs for TSI test preparation during the school day or before and after school. Students should ask their school counselor for assistance in meeting the College Readiness Standard. This link has more information regarding the TSI and test prep resources.

The Top 10 Percent Ruling

Students who are ranked in the top 10 percent of their graduating class are automatically admitted to a Texas public college or university of their choice. Students must apply for admission no later than two years after graduating from a Texas high school, and they must submit a completed application before the expiration of any filing deadline established by the college or university. Colleges and universities may require an essay, letters of recommendations, admission and placement tests, fees, and an official high school transcript. Colleges and universities may add additional requirements under this ruling. Check with the counselor at your high school.

Top Six Percent for UT at Austin for 2018

Senate Bill 175, passed by the 81st Texas Legislature allows The University of Texas at Austin to limit automatic admission to 75 percent of the university's enrollment capacity designated for first-time resident undergraduate students. The University has determined that it will automatically admit all eligible 2019 summer/fall freshman applicants who rank within the top six percent of their high school graduating classes, with remaining spaces to be filled through holistic review.

Alternate Ways to Earn High School Credits

Correspondence Courses

All high school students may take correspondence courses and earn credit toward graduation. Prior to enrollment in correspondence courses, students must make written request to the principal or designee for approval to enroll in the course. In addition to successful completion of the correspondence course, students must take the STAAR exam for core courses.

Credit toward state graduation requirements shall be granted only under the following conditions:

1. The institution offering the course is The University of Texas at Austin, Texas Tech University, Lubbock or other public institution of higher education approved by the Texas Commissioner of Education.
2. The correspondence course includes the state-required Texas Essential Knowledge and Skills for such a course.

A student receiving high school credit through a correspondence or distance learning course will take the corresponding STAAR EOC exam. These courses include: English I, English II, Biology I, Algebra I, and U.S. History. Students who enroll in a district high school and who have already earned credit in one of the above-listed courses through correspondence will retain credit.
Grades earned in correspondence courses are used in computing GPA or class rank.

Credit by Examination (CBE)

Credit by exam for acceleration is offered at no cost during a testing window at secondary campuses in the fall and spring, and once in June and August through the Office of Systemwide Testing. Specific dates and information may be obtained through your counselor or registrar. Examination scores for high school courses will be used in computing the student's GPA and class rank. For more information about rank please consult AISD policy; EHDC: CBE without prior instruction and EHDB: CBE with prior instruction.

Credentialing

Students can earn credit for a Languages other than English (LOTE) on a pass/fail basis through credentialing. Upon completion of a higher-level LOTE course with an overall grade of 70 or higher the student will be awarded a P for the lower-level courses.

Garza High School Online

Garza High School Online provides opportunities for AISD students to enroll in online courses for either high school credit recovery or credit acceleration. These courses are self-paced; however, they must be completed in a two-semester period during the Garza academic school year (please refer to the link below for the current Garza academic calendar, which differs from the AISD calendar). These online courses are free of charge and available to students enrolled in AISD who are in grades eight through 12.

To begin the enrollment process for Garza High School Online all students must first be approved by their AISD campus high school counselor and submit the online application to Garza High School Online.

For further information, contact Garza High School Online at 512-414-8622 (main office) or their website.

DELTA Program (Diversified Education Through Leadership, Technology, Academics)

DELTA is an academic program available to students enrolled in grades 9 through 12 who are enrolled at AISD comprehensive high schools, Garza Independence High School, and other alternative learning centers or schools serving AISD students. The DELTA Program provides individualized, self-paced instruction that will help students earn academic credits and graduate from high school. The DELTA program is offered within a scheduled class during the school day where students work at their own pace to complete course curriculum meeting the State of Texas Essential Knowledge and Skills (TEKS) requirements for courses they previously failed or need to take. Students often access course curriculum through an online, web-based program. In some instances, DELTA teachers may provide offline course instruction using AISD curriculum. Students enroll in DELTA during the school year and stay enrolled until they complete the courses for which they were assigned.

DELTA is an open-entry/open-exit program. Contact your high school counselor for additional information.

Texas Virtual School Network (TxVSN)

Texas Virtual School Network (TxVSN) is a non-traditional, online program which was created by the 80th Texas Legislature through the passage of Senate Bill 1788 and codified in Chapter 30A. of the Texas Education Code (TEC). This authorization allows the Texas Education Agency to establish and administer a state virtual school network to provide education to students through electronic means.
The Texas Virtual School Network first offered courses to students in Texas districts. The course catalog offers courses for students in grades nine through 12 that have been reviewed to ensure 100 percent alignment with the Texas Essential Knowledge and Skills, as well as, the iNACOL National Standards for Quality Online Courses.

With written approval of the parent and the principal, a student in grades eight through 12 at secondary schools, who scores 70 percent or above on a correspondence, electronic or online course will receive credit for the academic course at the secondary level. Failing
scores on correspondence, electronic, online courses will be recorded on the transcript. A passing grade on a correspondence, electronic or online course will be yearlong averaged with a failing grade on a correspondence, electronic, or online course for award of credit {see EHDE (Legal}.

Twilight Evening School

Twilight Evening School provides high school students the opportunity to regain lost credits during the extended hours of 4:30 to 7:30pm, Monday through Thursday. Students may attend the open enrollment programs located at Akins, Anderson, Austin High, Bowie, Crockett, Eastside Memorial, International High, LBJ, LASA, McCallum, Navarro, Premier Navarro, Premier Travis, Northeast, and Travis.

Students have the opportunity to recapture credits using on-line or teacher-led instruction classes. Driver's Education will be offered at Akins, Austin High, Anderson, Bowie, LBJ, McCallum, Navarro, Northeast, and Travis; this course is also open to all AISD students.

Twilight Program attempts to increase graduation rates using several strategies to:

- Recover students who have dropped out and re-enroll them offering extended hours as an incentive to get back on track toward graduation;
- Offer all students to regain high school course credit;
- Prepare for standardized tests (i.e., EOC preparation classes)

Child care, healthy snacks and city bus passes are offered to all participating students. Students who need to recover credits must FIRST be referred to the Twilight Evening School Program by a counselor and must be enrolled at their home campus. For further information, contact Twilight office at 512-414-0144.

Course Information Key

Most courses will be formatted using the following style:

Course	**1. ENGLISH I 2. D**
Course number	**3.** 1013.R000.Y
Service ID	**4.** 03220100
Credit	**5.** 1.0 English Language Arts credit
Grade level	**6.** 9-12
Description	**7.** Students in English I-IV study the author's craft of literary and informational genres, compare genres, and use analysis of texts to improve their own writing. In each course, students integrate the use of increasingly sophisticated language skills within the writing process. Students produce a variety of compositions using technology to aid revising, editing, publishing, and research. Students create and deliver oral presentations that include the use of visual representations.
Prerequisites	**8.** Recommended: Official promotion to or placement in high school

1. Course name
2. Endorsement/college credit indicator:

   S B P A symbols indicate that the course is included in a sequence of courses that may satisfy an Endorsement pathway (see Endorsement Key below)
   D symbol indicates that the course is available for dual credit
   T symbol indicates that the course is available for articulated credit

3. AISD course number used for scheduling purposes; course numbers ending in .X indicate a semester-long course and numbers ending in .Y indicate a year-long course. Information about course numbering protocol (what all the letters and their placement means), can be found at this link.
4. Service ID (also known as the PEIMS Code)
5. Number of credits awarded after successful completion of course and subject area in which graduation credit will be awarded (high school only)
6. Recommended grade level(s) of students eligible for the course
7. A brief description of the course
8. Prerequisites: Course or qualification that must be satisfied prior to enrollment

Endorsement Key

The following letters indicate when a specific course is included in a sequence of courses that may satisfy an Endorsement pathway. Please check course availability with your high school counselor. **S** Science, Technology, Engineering & Mathematics (STEM)
B Business & Industry
P Public Service
A Arts & Humanities

College Credit Key

The following letters indicate when a specific course can count toward college credit. Please check course availability with your high school counselor.
D Dual Credit Course: See Appendix B on page 144.
T Career and Technical College Articulated Courses: See Appendix C on page 149.

High School Course Information and Recommended Sequence

English Language Arts

Traditional Course Sequence and Testing Guide

Grades	Subject	Assessment(s)
Sixth	English Language Arts & Reading 6	STAAR Gr 6 (Reading)
Seventh	English Language Arts & Reading 7	STAAR Gr 7 (Reading and Writing)
Eighth	English Language Arts & Reading 8	STAAR Gr 8 (Reading)
Ninth	English I	ENG I EOC
10th	English II	ENG II EOC / PSAT
11th	English III	PSAT/SAT/ACT
12th	English IV	PSAT/SAT/ACT

Recommended Advanced Placement (AP)/Dual Credit (DC) Course Sequence and Testing Guide

Grades	Subject(s)	Assessment(s)
Sixth	Advanced English Language Arts & Reading 6	STAAR Gr 6 (Reading)
Seventh	Advanced English Language Arts & Reading 7	STAAR Gr 7 (Reading and Writing)
Eighth	Advanced English Language Arts & Reading 8	STAAR Gr 8 (Reading)
Ninth	Advanced English I	ENG I EOC
10th	Advanced English II	ENG II EOC / PSAT
11th	AP Lang. Comp. DC English III	PSAT/SAT/ACT AP Course Exam
12th	AP Lang. Lit. DC English IV	PSAT/SAT/ACT AP Course Exam

Advanced courses are strongly recommended but are not a prerequisite for Advanced Placement/dual credit courses.

Course	**ENGLISH I-IV D**
Course number	1001.R000.Y/H000.Y (Service ID: 03220100) 1002.R000.Y/H000.Y (Service ID: 03220200) 1003.R000.Y (Service ID: 03220300) 1004.R000.Y (Service ID: 03220400)
Credit	1.0 English Language Arts credit
Grade level	9-12
Description	Students in English I-IV study the author's craft of literary and informational genres, compare genres, and use textual analysis to improve their own writing. In each course, students integrate the use of increasingly sophisticated language skills within the writing process. Students produce a variety of compositions using technology to aid revising, editing, publishing, and research. Students create and deliver oral presentations that include the use of visual representations.
Prerequisites	Recommended: Official promotion to or placement in high school

Course	**ENGLISH FOR SPEAKERS OF OTHER LANGUAGES I-II (ESOL I-II)**
Course number	1801.E000.Y (Service ID: 03200600) 1802.E000.Y (Service ID: 03200700)
Credit	1.0 English Language Arts credit
Grade level	9-12
Description	These courses provide instruction in the English I and II TEKS and are designed to serve as the English I or II course for Emergent Bilingual students identified as Newcomers. They are courses designed to provide targeted and focused second language acquisition strategies that support the development of both interpersonal English skills and academic English. In addition to what is taught in ELAR classes, instruction is focused on developing English proficiency in all four language domains through structured activities that emphasize language development and provide instruction that is accessible at students' proficiency levels. As with all English courses where Emergent Bilingual students are learning, the teacher must be ESL certified. This course is recommended for students at the beginning or intermediate proficiency level in English and in the first 3 years in US schools. However, it is important to review each individual students' course placement and this process can be supported by the LPAC.
Prerequisites	Recommended: Official promotion to or placement in high school. Beginner or intermediate proficiency in English.

Course	**AP ENGLISH LANGUAGE & COMPOSITION (III) A**
Course number	1603.P000.Y
Service ID	A3220100
Credit	1.0 English Language Arts credit
Grade level	11
Description	AP Language and Composition emphasizes the analysis of a variety of literary and nonfiction texts with attention to the writer's style, diction, syntax, argumentation and logic. Students record this analysis in compositions that use sophisticated syntax and vocabulary, effective use of proof, and control of the conventions of language. Students also write their own refined arguments and synthesize evidence from different sources. Emphasis is on wide reading and analytic response in timed essays in preparation for the Advanced Placement Examination in Language and Composition. Students practice the research skills and long-term project management that will be required in college classes.
Prerequisites	Recommended: English II

Course	**AP ENGLISH LITERATURE & COMPOSITION (IV) A**
Course number	1604.P000.Y
Service ID	A3220200
Credit	1.0 English Language Arts credit
Grade level	12
Description	Using college-level expectations, this course emphasizes wide reading and analysis of world literature including fiction, nonfiction and poetry. Students analyze literary elements and writer's style related to purpose, audience and theme. Literary analysis will be a major focus of the composition strand, yet students will also compose essays and sophisticated research. Students practice the research skills and long-term project management that will be required in college classes as well as preparing for the Advanced Placement Examination in English Literature and Composition.
Prerequisites	Recommended: English III or AP English Language & Composition

Course	**BUSINESS ENGLISH D**
Course number	8602.R(Y)
Service ID	13011600
Credit	1.0 English Language Arts credit
Grade level	12
Description	Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English for business reproduction.
Prerequisites	English III

Course	**COLLEGE PREP ENGLISH**
Course number	9999.R000.Y
Service ID	CP110100
Credit	1.0 English Language Arts credit
Grade level	12
Description	Students will learn to investigate academic texts, construct supported interpretations and arguments for an authentic audience, and acquire academic habits of thought. Reading instruction will focus on developing critical reading skills for comprehension, interpretation, and analysis. In writing, students will develop skills through composing with specific purpose, situation, genre, and audience in mind. Students will write a variety of effective formal and informal texts. To learn to integrate reading and writing, students will use an inquiry approach to analyze, synthesize, and make value judgments regarding text and writing. This course is designed to prepare students for college-level reading and writing intensive courses. Successful completion of this course, as defined by the memorandum of understanding (MOU) with the partnering institution(s), grants the student an exemption to TSI requirements for reading and writing at the partnering institution(s). The goal of this course is to develop students as critical readers, thinkers, and purposeful writers prepared for college success in introductory courses across disciplines.
Prerequisites	

Language Arts Electives

Course	**COLLEGE READINESS AND STUDY SKILLS D**
Course number	1046.R000.X
Service ID	03270100
Credit	0.5 elective credit
Grade level	9-12
Description	This course enhances the study skills of students who want additional strategies for learning from texts in all curriculum areas. Emphasis includes vocabulary, summarization, identifying key ideas, and drawing inferences and conclusions. Students will present their responses to text in a variety of ways.
Prerequisites	None

Course	**CONTEMPORARY MEDIA**
Course number	1045.R000.Y
Service ID	03241401
Credit	1.0 elective credit
Grade level	11-12
Description	Students study the role of media as a tool within academic, social, and democratic processes as they influence tastes, behavior, purchasing, and voting decisions. Students will examine the historical development of different mass media and related technologies and personalities. Students will plan, produce, present, and evaluate media messages.
Prerequisites	Recommended: English II

Course	**CREATIVE WRITING A D**
Course info	1009.R000.X/H000.X (0.5 elective credit) 1009.R000.Y/H000.Y (1.0 elective credit)
Service ID	03221200
Grade level	10-12
Description	Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. Students will discuss published and unpublished pieces of writing, develop peer- and self-assessments for effective writing, and set their own goals as writers.
Prerequisites	Recommended: English I or instructor approval

Course	**HUMANITIES 1st and 2nd time taken A D**
Course info	First time taken: 1015.H000.X/.Y (0.5/1.0 elective credit) Second time taken: 1025.H000..X/.Y (0.5/1.0 elective credit)
Service ID	First time taken: 03221600 Second time taken: 03221610
Grade level	11-12
Description	Students will visit museums, conduct formal research, and use a variety of primary and secondary source materials as they study relationships among art, architecture, religion, philosophy, music, literature, and other creative endeavors in historic and contemporary world cultures. Their analysis will compare the social contexts that produce art as well as how artistic expression, religion, and philosophy illustrate the human spirit. This course may be taken up to two times for state elective credit.
Prerequisites	Recommended: English II

Course	**INDEPENDENT STUDY IN ENGLISH 1st – 3rd time taken A**
Course info	First time taken: 1016.H000.X/.Y (0.5/1.0 elective credit) Second time taken: 1026.H000.X/.Y (0.5/1.0 elective credit) Third time taken: 1036.H000.X/.Y (0.5/1.0 elective credit)
Service ID	First time taken: 03221800 Second time taken: 03221810 Third time taken: 03221820
Grade level	11-12
Description	Under the supervision of the teacher, students prepare three independent projects for evaluation, which include a reading list, formal writing, and oral presentation with visuals. Projects may reach beyond literature but must involve reading, research, and writing on an advanced level with a thesis approved by the instructor. Students report weekly on the progress of their projects and use peer editing and revision extensively before the final presentations. This course may be taken up to three times for state elective credit
Prerequisites	Recommended: English II or approval of instructor

Course	**LITERARY GENRES A**
Course info	1020.H000.X (0.5 elective credit) 1020.H000.Y (1.0 elective credit)
Service ID	03221500
Grade level	11-12
Description	Students build an extensive vocabulary through wide reading of a variety of genres. Emphasis is on analyzing common themes in a variety of cultures. Students will use writing to analyze literature and communicate with other writers.
Prerequisites	Recommended: English II

Course	**PRACTICAL WRITING SKILLS**
Course number	1035.R000.Y
Service ID	03221300
Credit	1.0 elective credit
Grade level	11-12
Description	This course emphasizes the study and application of conventions and mechanics of written English. Students will use the writing process to write for a variety of purposes and will analyze their own writing and the writing of others.
Prerequisites	None

Course	**READING I-III**
Course number	1005.R000.Y; 1005.RD00.Y, Dyslexia (Service ID: 03270700) 1006.R000.Y; 1006.RD00.Y, Dyslexia (Service ID: 03270800) 1007.R000.Y; 1007.RD00.Y, Dyslexia (Service ID: 03270900)
Credit	1.0 elective credit
Grade level	9-12
Description	Students apply a variety of word recognition strategies and build an extensive vocabulary through systematic word study. They read silently and orally with fluency and comprehension in increasingly demanding texts. Various strategies are used to comprehend, analyze, and evaluate texts. Students will create personal responses to a variety of texts reflecting diverse cultures and research topics of interest.
Prerequisites	None

Course	**RESEARCH AND TECHNICAL WRITING A**
Course info	1008.H000.X (0.5 elective credit) 1008.H000.Y (1.0 elective credit)
Service ID	03221100
Grade level	11-12
Description	Students learn documentation, creating bibliographies, and organizing information as they write a research paper. The course focuses on basic technical writing skills (inductive and deductive reasoning, paragraph development, technical description, and selected technical reports.)
Prerequisites	Recommended: English II

Course	**VISUAL MEDIA ANALYSIS & PRODUCTION**
Course number	1043.R000.X
Service ID	03221700
Credit	0.5 elective credit
Grade level	11-12
Description	Students analyze the historical development of film as art, evaluating subject matter, choice of media, content, purpose and effect. Students use a variety of media and technologies to communicate their findings and observations.
Prerequisites	Recommended: English II

Course	**COMMUNICATION APPLICATIONS A D**
Course number	1244.R000.X
Service ID	03241400
Credit	0.5 elective credit
Grade level	9-12
Description	Students will identify, analyze, develop and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. Students are expected to make and evaluate formal and informal presentations.
Prerequisites	None

Course	**DEBATE I-III B**
Course number	1011.R000.Y (Service ID: 03240600) 1021.R000.Y (Service ID: 03240700) 1031.H000.Y (Service ID: 03240800)
Credit	1.0 elective credit
Grade level	9-12
Description	Students in Debate examine the historical and contemporary role of debate in the democratic process. They apply standards to analyze and evaluate propositions and construct valid approaches to both affirmative and negative arguments. Students will use effective extemporaneous speaking skills and provide valid and constructive critiques of others. Many students will also participate in competitions.
Prerequisites	Recommended: Speech Communication, preceding courses in the sequence, or instructor approval.

Course	**INDEPENDENT STUDY IN SPEECH 1st – 3rd time taken**
Course number	1st time taken: 1013.H000..X/.Y (0.5/1.0 elective credit) 2nd time taken: 1023.H000.X/.Y (0.5/1.0 elective credit) 3rd time taken: 1033.H000.X/.Y (0.5/1.0 elective credit)
Service ID	1st time taken: 03221800 2nd time taken: 03221810 3rd time taken: 03221820
Grade level	9-12
Description	Independent study in speech provides opportunity for advanced students to plan, organize, produce, perform, and evaluate a project that enables them to develop advanced skills in communication, critical thinking, and problem solving. This course may be taken up to three times for state elective credit.
Prerequisites	Recommended: One year of speech or approval of the instructor.

Course	**ORAL INTERPRETATION I-III**
Course number	1014.R000.Y (Service ID: 03240200) 1024.R000.Y (Service ID: 03240300) 1034.H000.Y (Service ID: 03240400)
Credit	1.0 elective credit
Grade level	9-12
Description	Students in Oral Interpretation create oral performances with self-selected pieces of literature as communication art. They select, research, analyze, adapt, interpret, and perform literary texts. Individual and group performances of literature will be presented and evaluated. Many students will also participate in competitions.
Prerequisites	Recommended: Speech Communication, preceding courses in the sequence, or instructor approval.

Course	**PUBLIC SPEAKING I-III B**
Course number	1012.R000.Y (Service ID: 03240900) 1022.R000.Y (Service ID: 03241000) 1032.H000.Y (Service ID: 03241100)
Credit	1.0 elective credit
Grade level	9-12
Description	Students learn the concepts and skills related to preparing and presenting public messages and to analyzing and evaluating messages from others. They study style, organization, and delivery. Many students will also participate in competitions.
Prerequisites	Recommended: Speech Communication, preceding courses in the sequence, or instructor approval.

Course	**JOURNALISM**
Course number	1044.R000.Y
Service ID	03230100
Credit	1.0 elective credit
Grade level	9-12
Description	This introductory course on the principles and practices of journalism includes fact-gathering, developing interviewing skills and writing news stories in a variety of formats and for a variety of audiences and purposes with correct use of the conventions and mechanics of written English. To produce effective communications, visual and electronic media and other technology along with published work of professional journalists will be used as tools for learning. Students will research self-selected topics and will learn about journalistic traditions and the principles of publishing.
Prerequisites	None

Course	**INDEPENDENT STUDY IN JOURNALISM**
Course number	1112.H000.Y (1st time taken; Service ID: 03231000) 1122.H000.Y (2nd time taken; Service ID: 03231011) 1132.H000.Y (3rd time taken; Service ID: 03231022)
Credit	1.0 elective credit
Grade level	12
Description	This course includes activities individually designed for students whose level of achievement in journalism allows them to pursue work individually or in small groups, with the teacher serving as advisor. It emphasizes research, print or non-print production of original work or extended development of a skill or specific area of study. This course may be taken up to three times for state elective credit.
Prerequisites	Recommended: Students meeting the following guidelines: interest and aptitude in scholastic journalism and parental approval and/or teacher recommendation.

Course	**PHOTOJOURNALISM**
Course info	1101.R000.X (0.5 elective credit) 1101.R000.Y (1.0 elective credit)
Service ID	03230800
Grade level	9-12
Description	Students refine their journalistic skills by planning, preparing, and producing photographs for a journalistic publication using print, digital or online media. Students are expected to interpret and critique visual representation, including their own product. They study the laws and ethics pertaining to photography and use published photos of professional journalists along with other visual and electronic media as learning tools. This course requires considerable time outside school hours.
Prerequisites	Recommended: Prior photographic experience or consent of the instructor.

Course	**ADVANCED BROADCAST JOURNALISM I-III B**
Course number	1113.H000.Y (Service ID: 03231900) 1123.H000.Y (Service ID: 03231901) 1133.H000.Y (Service ID: 03231902)
Credit	1.0 elective credit
Grade level	9-12
Description	Students learn to critically evaluate a variety of media and to access, analyze and produce communication in a variety of forms. They will study the laws and ethical responsibilities relating to broadcast journalism and learn its role and function. Students will also critique visual representations as well as explore how broadcast productions are generated to create their own broadcast journalism product.
Prerequisites	Recommended: Journalism

Course	**ADVANCED JOURNALISM: LITERARY MAGAZINE I-III B**
Course number	1019.R000.X/.Y (Service ID: 03230170) 1029.H000..X/.Y (Service ID: 03230180) 1039.H000.X/.Y (Service ID: 03230190)
Credit	For courses ending in .Y, 1.0 elective credit; for courses ending in .X, 0.5 elective credit
Grade level	9-12
Description	Students study and apply the elements and processes of journalism necessary to produce a literary magazine. This course provides students an opportunity to publish their poetry, short stories, essays, and illustrations. Students may be expected to communicate in a variety of forms such as print, digital or online media while observing journalistic ethics and standards. This course requires considerable time outside of school hours as well as leadership and teamwork abilities.
Prerequisites	Recommended: An interest in the literary magazine and consent of the instructor.

Course	**ADVANCED JOURNALISM: NEWSPAPER I-III B**
Course number	1018.R000.Y (Service ID: 03230140) 1028.H000.Y (Service ID: 03230150) 1038.H000.Y (Service ID: 03230160)
Credit	1.0 elective credit
Grade level	9-12
Description	Students apply skills learned in Journalism I to newspaper production. They practice determining news coverage and editorial policy and learn how to select, crop and scale photographs. Students are also expected to plan, draft and complete written and/or visual communications on a regular basis in a variety of forms such as print, digital or online media. This course requires considerable time outside school hours as well as leadership and teamwork abilities.
Prerequisites	Recommended: Journalism or consent of instructor.

Course	**ADVANCED JOURNALISM: YEARBOOK I-III B**
Course number	1017.R000.Y (Service ID: 03230110) 1027.H000.Y (Service ID: 03230120) 1037.H000.Y (Service ID: 03230130)
Credit	1.0 elective credit
Grade level	9-12
Description	Students study and apply the journalistic skills and processes necessary to produce a yearbook. They develop skills in news judgment, fact gathering, photography, writing headlines and captions, graphic design and layout, proofing, editing, advertising, and creative writing. This course requires considerable time outside school hours as well as leadership and teamwork abilities.
Prerequisites	Recommended: Journalism or consent of instructor.

Course	ENGLISH LANGUAGE DEVELOPMENT & ACQUISITION (ELDA) 1st & 2nd time taken
Course number	1803.E000.Y 1st time taken (Service ID: 03200800) 1804.E000.Y 2nd time taken (Service ID: 03200810)
Credit	1.0 elective credit
Grade level	9-12
Description	This course provides instruction that is focused on supporting Emergent Bilingual students identified as Newcomers through instruction that addresses all four language domains while developing social language and the basic building blocks for literacy in English for Newcomers. The course validates students' native languages and cultures while supporting acceleration of English acquisition.
Prerequisites	Must be taken concurrently with an ESOL I/II course or other English course. Can be taken for up to 2 credits. Students are at the beginning or intermediate proficiency level in English in the first 3 years in US school.

Mathematics

Traditional Course Sequence and Testing Guide

Grades	**Subject**	**Assessment**
Sixth	Math 6	STAAR Gr 6
Seventh	Math 7	STAAR Gr 7
Eighth	Math 8	STAAR Gr 8
Ninth	Algebra I	Algebra I EOC
10th	Geometry	PSAT
11th	Algebra II	PSAT/SAT/ACT
12th	Precalculus	PSAT/SAT/ACT

Recommended Advanced Placement (AP)/Dual Credit (DC) Course Sequence and Testing Guide

Grades	**Subject(s)**	**Assessment(s)**
Sixth	Accelerated Math 6	STAAR Gr 6
Seventh	Accelerated Math 7	STAAR Gr 8
Eighth	Advanced Algebra I	Algebra I EOC
Ninth	Advanced Geometry	PSAT
10th	Advanced Algebra II	PSAT
11th	Advanced Precalculus DC Mathematics	PSAT/SAT/ACT AP Course Exam
12th	AP Statistics AP Calculus AB AP Calculus BC DC Mathematics	PSAT/SAT/ACT AP Course Exam

Advanced courses are strongly recommended but are not a prerequisite for Advanced Placement/dual credit courses.

Course	**ALGEBRA I S**
Course number	3001.R000.Y/H000.Y
Service ID	0310500
Credit	1.0 mathematics credit
Grade level	9-12
Description	In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundations in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.
Prerequisites	Mathematics, Grade 8 or its equivalent.

Course	**ALGEBRA I DUAL LANGUAGE S**
Course number	3001.R0DL.Y/H0DL.Y
Service ID	0310500
Credit	1.0 mathematics credit
Grade level	9-12
Description	In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundations in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. This course is taught in Spanish and is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Mathematics, Grade 8 or equivalent. Participation in a Dual Language Program and/or Spanish proficiency.

Course	**GEOMETRY S**
Course number	3003.R000.Y/H000.Y
Service ID	03100700
Credit	1.0 mathematics credit
Grade level	9-12
Description	In Geometry, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students will connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand. In the logical arguments and constructions strand, students are expected to create formal constructions using a straight edge and compass. Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. In proof and congruence, students will use deductive reasoning to justify, prove and apply theorems about geometric figures. Throughout the standards, the term "prove" means a formal proof to be shown in a paragraph, a flow chart, or two-column formats. Proportionality is the unifying component of the similarity, proof, and trigonometry strand. Students will use their proportional reasoning skills to prove and apply theorems and solve problems in this strand. The two- and three-dimensional figure strand focuses on the application of formulas in multi-step situations since students have developed background knowledge in two- and three-dimensional figures. Using patterns to identify geometric properties, students will apply theorems about circles to determine relationships between special segments and angles in circles. Due to the emphasis of probability and statistics in the college and career readiness standards, standards dealing with probability have been added to the geometry curriculum to ensure students have proper exposure to these topics before pursuing their post-secondary education.
Prerequisites	Algebra I

Course	**GEOMETRY S DUAL LANGUAGE**
Course number	3003.R0DL.Y/H0DL.Y
Service ID	03100700
Credit	1.0 mathematics credit
Grade level	9-12
Description	High school students should develop facility with a broad range of ways of representing geometric ideas—including coordinates, networks, transformations—that allow multiple approaches to geometric problems and that connect geometric interpretations to other contexts. Students should recognize connections among different representations, thus enabling them to use these representations flexibly. Students will expand their understanding through other mathematical experiences through the Geometry content strands of geometric structure, patterns, dimensionality and geometry of location, congruence and the geometry of size, and similarity and the geometry of shape. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Algebra I Participation in a Dual Language Program and/or Spanish proficiency.

Course	**ALGEBRAIC REASONING S**
Course number	3009.R000.Y
Service ID	03102540
Credit	1.0 mathematics credit
Grade level	9-12
Description	In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in kindergarten through grade eight and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets. Adopted 2015 resources available Proclamation 2017.
Prerequisites	Algebra I

Course	**STATISTICS S**
Course number	3008.R000.Y
Service ID	03102530
Credit	1.0 mathematics credit
Grade level	9-12
Description	In Statistics, students will build on the knowledge and skills for mathematics in kindergarten through grade eight and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.
Prerequisites	Algebra I

Course	**MATH MODELING WITH APPLICATIONS**
Course number	3005.R000.Y
Service ID	03102400
Credit	1.0 mathematics credit
Grade level	9-12
Description	This course is designed to build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. This mathematics course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems
Prerequisites	Algebra I

Course	**FINANCIAL MATHEMATICS D**
Course number	8116.R(Y)
Service ID	13018000
Credit	1.0 mathematics credit
Grade level	10-12
Description	Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors.
Prerequisites	Algebra I

Course	**ALGEBRA II S**
Course number	3002.R000.Y/H000.Y
Service ID	03100600
Credit	1.0 mathematics credit
Grade level	9-12
Description	In Algebra II, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.
Prerequisites	Algebra I

Course	**ALGEBRA II S DUAL LANGUAGE**
Course number	3002.R0DL.Y/H0DL.Y
Service ID	03100600
Credit	1.0 mathematics credit
Grade level	9-12
Description	In Algebra II, students have opportunities to build on Algebra I and Geometry experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Students use technological tools to represent and study the behavior of polynomial, exponential, rational, and periodic functions, among others. They learn to combine functions, express them in equivalent forms, compose them, and find inverses where possible. As they do so, they come to understand the concept of a class of functions and learn to recognize the characteristics of various classes. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Algebra I - Participation in a Dual Language Program and/or Spanish proficiency.

Course	**ADVANCED QUANTITATIVE REASONING (AQR) S**
Course number	3006.R000.Y/H000.Y
Service ID	03102510
Credit	1.0 mathematics credit
Grade level	10-12
Description	In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.
Prerequisites	Geometry and Algebra II

Course	**DISCRETE MATHEMATICS FOR PROBLEM SOLVING S**
Course info	3007.R000.X/.Y (0.5/1.0 mathematics credit)
Service ID	03102520
Grade level	11-12
Description	In Discrete Mathematics for Problem Solving, students are introduced to the improved efficiency of mathematical analysis and quantitative techniques over trial-and-error approaches to management problems involving organization, scheduling, project planning, strategy, and decision making. Students will learn how mathematical topics such as graph theory, planning and scheduling, group decision making, fair division, game theory, and theory of moves can be applied to management and decision making. Students will research mathematicians of the past whose work is relevant to these topics today and read articles about current mathematicians who either teach and conduct research at major universities or work in business and industry solving real-world logistical problems. Through the study of the applications of mathematics to society's problems today, students will become better prepared for and gain an appreciation for the value of a career in mathematics.
Prerequisites	Algebra II

Course	**INDEPENDENT STUDY IN MATHEMATICS 1st – 3rd time taken S D**
Course info	3011.R000.X/Y or H000.X/Y (First time taken; 0.5/1.0 mathematics credit) 3021.H000.X/Y (Second time taken; 0.5/1.0 mathematics credit) 3031.H000.X/Y (Third time taken; 0.5/1.0 mathematics credit)
Service ID	1st time taken: 03102500 2nd time taken: 03102501 3rd time taken: 03102502
Grade level	10-12
Description	In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics, such as theory of equations, number theory, non-Euclidean geometry, advanced survey of mathematics, or history of mathematics. The local district must approve the requirements for each course before the course begins. This course, when approved by the district, satisfies the fourth-year mathematics course requirement.
Prerequisites	Geometry and Algebra II

Course	**PRECALCULUS S D**
Course number	3004.R000.Y/H000.Y
Service ID	03101100
Credit	1.0 mathematics credit
Grade level	10-12
Description	Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.
Prerequisites	Algebra I, Geometry, and Algebra II

Course	**STATISTICS AND BUSINESS DECISION MAKING B D**
Course number	8115.H(Y)
Service ID	13016900
Credit	1.0 mathematics credit
Grade level	11-12
Description	Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision-making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid. This course satisfies a fourth math credit.
Prerequisites	Algebra II. Recommended: Accounting I.

Course	**ENGINEERING MATHEMATICS S**
Course number	8718.R(Y)
Service ID	13036700
Credit	1.0 mathematics credit
Grade level	11-12
Description	Engineering Mathematics is a course where students solve and model design problems. Students will use a variety of mathematical methods and models to represent and analyze problems that represent a range of real-world engineering applications such as robotics, data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and computer programming.
Prerequisites	Algebra II

Course	**AP CALCULUS AB S**
Course number	3614.P000.Y
Service ID	A3100101
Credit	1.0 mathematics credit
Grade level	11-12
Description	AP Calculus AB is a course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions
Prerequisites	Recommended: Precalculus

Course	**AP CALCULUS BC S**
Course number	3615.P000.Y
Service ID	A3100102
Credit	1.0 mathematics credit
Grade level	11-12
Description	Students explore all topics covered in AP Calculus AB plus additional topics including parametric, polar, and vector functions and polynomial approximations and series. This course prepares students for the College Board AP Calculus BC Examination for possible college credit (a full year of calculus). This exam also has a Calculus AB sub-score grade for students to receive 1st semester college calculus credit.
Prerequisites	Recommended: Precalculus

Course	**AP STATISTICS S**
Course number	3616.P000.Y
Service ID	A3100200
Credit	1.0 mathematics credit
Grade level	10-12
Description	The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.
Prerequisites	Recommended: Algebra II and Geometry

Course	**COLLEGE PREP MATH**
Course number	9998.R000.Y
Service ID	CP111200
Credit	1.0 mathematics credit
Grade level	12
Description	College Prep Mathematics is a full year, one credit course that prepares students for success in entry-level college math courses and/or success on the Texas Success Initiative (TSI) Assessment. College Prep Mathematics is a rigorous course that will include student learning outcomes and objectives in the following areas: Elementary Algebra and Functions, Intermediate Algebra and Functions, Geometry and Measurement; and Data Analysis, Statistics, and Probability.
Prerequisites	Algebra I, Geometry, and a 3rd math course

Science

Traditional Course Sequence and Testing Guide

Grade	Subject(s)	Assessment(s)
Sixth	Science 6	STAAR Gr 6
Seventh	Science 7	STAAR Gr 7
Eighth	Science 8	STAAR Gr 8
Ninth	Biology	Biology EOC
10th	Chemistry	PSAT
11th	Physics	PSAT/SAT/ACT
12th	Earth and Space Science Astronomy Aquatic Science Environmental Systems CTE Science Course	PSAT/SAT/ACT

Recommended Advanced Placement (AP)/Dual Credit (DC) Course Sequence and Testing Guide

Grade	Subject(s)	Assessment(s)
Sixth	Advanced Science 6	STAAR Gr 6
Seventh	Advanced Science 7	STAAR Gr 7
Eighth	Advanced Science 8	STAAR Gr 8
Ninth	Advanced Biology	Biology EOC
10th	Chemistry	PSAT
11th	Advanced Physics AP Chemistry AP Physics 1 DC Science	PSAT/SAT/ACT AP Course Exam
12th	AP Environmental Science AP Biology AP Chemistry AP Physics 2 AP Physics C DC Science	PSAT/SAT/ACT AP Course Exam

Advanced courses are strongly recommended but are not a prerequisite for Advanced Placement/dual credit courses.

Course	**BIOLOGY S**
Course number	3010.R000.Y / H000.Y
Service ID	03010200
Credit	1.0 science credit
Grade level	9-11
Description	In Biology, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment.
Prerequisites	None

Course	**BIOLOGY S DUAL LANGUAGE**
Course number	3010.R0DL.Y / H0DL.Y
Service ID	03010200
Credit	1.0 science credit
Grade level	9-11
Description	In Biology, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Participation in a Dual Language Program and/or Spanish proficiency.

Course	**CHEMISTRY S**
Course number	3020.R000.Y
Service ID	03040000
Credit	1.0 science credit
Grade level	10-12
Description	In Chemistry, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.
Prerequisites	One unit of high school science and Algebra I. Recommended: Completion of or concurrent enrollment in a second credit of mathematics.

Course	**CHEMISTRY S DUAL LANGUAGE**
Course number	3020.R0DL.Y
Service ID	03040000
Credit	1.0 science credit
Grade level	10-12
Description	In Chemistry, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. This course is designed for students participating in the dual language program and is taught-in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	One unit of high school science and Algebra I. Recommended: Completion of or concurrent enrollment in a second credit of mathematics. Participation in a Dual Language Program and/or Spanish proficiency.

Course	**PHYSICS S**
Course number	3030.R000.Y/H000.Y
Service ID	03050000
Credit	1.0 science credit
Grade level	9-12
Description	In Physics, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical-thinking skills.
Prerequisites	Recommended: Algebra I or concurrent enrollment in Algebra I.

Course	**ADVANCED ANIMAL SCIENCE S**
Course number	8306.H(Y)
Service ID	13000700
Credit	1.0 science credit
Grade level	11-12
Description	Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biology and Chemistry or Integrated Physics and Chemistry; Algebra I and Geometry; and either Small Animal Management, Equine Science or Livestock Production. Recommended: Veterinary Medical Applications

Course	**BIOTECHNOLOGY I S D T**
Course number	8713.H(Y)
Service ID	13036400
Credit	1.0 science credit
Grade level	10-12
Description	In Biotechnology I, students will apply science knowledge and skills to the fields of biotechnology such as agriculture, medical, and forensics. Students will use sophisticated laboratory equipment and practice quality-control techniques. Students will conduct investigations in the laboratory and in the field using scientific methods. Students in Biotechnology I will study a variety of topics that include structures and functions of cells, nucleic acids, proteins, and genetics. Texas law requires at least 40percent lab and field investigations.
Prerequisites	Biology Recommended: Principles of Bioscience; Chemistry

Course	**ADVANCED PLANT AND SOIL SCIENCE S**
Course number	8342.H(Y)
Service ID	13002100
Credit	1.0 science credit
Grade level	11-12
Description	Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Recommended: Biology Integrated Physics and Chemistry, Chemistry, or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster

Course	**ANATOMY AND PHYSIOLOGY S D**
Course number	8217.R(Y)/H(Y)
Service ID	13020600
Credit	1.0 science credit
Grade level	10-12
Description	In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biology and a second science credit. Recommended: One course from Health Science Career cluster.

Course	**AQUATIC SCIENCE S**
Course number	3013.R000.Y/H000.Y
Service ID	03030000
Credit	1.0 science credit
Grade level	9-12
Description	In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and field work in this course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biology. Recommended: Chemistry or concurrent enrollment in Chemistry

Course	**ASTRONOMY S D**
Course number	3014.R000.Y/H000.Y
Service ID	03060100
Credit	1.0 science credit
Grade level	11-12
Description	In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Recommended: One unit of high school science

Course	**EARTH AND SPACE SCIENCE S D**
Course number	3015.R000.Y
Service ID	03060200
Credit	1.0 science credit
Grade level	11-12
Description	Earth and Space Science (ESS). ESS is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time through strands of systems, energy, and relevance. Units of study include Earth and Space in time as they relate to cosmology, theories of the origin, evolution, and structures of the universe and the development of the Earth and Moon System, including geologic, atmospheric and chemical evidence and analysis. Students will apply scientific and mathematical investigations in understanding course concepts. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Three units of science, one of which may be taken concurrently, and three units of mathematics, one of which may be taken concurrently.

Course	**ENGINEERING DESIGN AND PROBLEM-SOLVING S D T**
Course number	8732.H(Y)
Service ID	13037300
Credit	1.0 science credit
Grade level	11-12
Description	Students' complete hands-on, team-based projects across a variety of engineering fields that allow them to apply concepts learned in prior science and math courses with the engineering design process to explore how engineers design products for society. Possible projects could include aerodynamics, robotics, biotechnology, structural design, and mechanical design. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Geometry and Algebra I. Recommended: Two credits from STEM cluster courses

Course	**ENGINEERING SCIENCE S T**
Course number	8733.H(Y)
Service ID	13037500
Credit	1.0 science credit
Grade level	10-12
Description	Engineering Science is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem-solving skills that are involved in post-secondary education programs and engineering careers. They will explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change. The main purpose of this course is to experience through theory and hands-on problem-solving activities what engineering is all about to answer the question, "Is a career in engineering or engineering technology for me?" Students must meet the 40% laboratory and fieldwork requirement.
Prerequisites	Algebra I and Biology, Chemistry, Integrated Physics and Chemistry or Physics Recommended: Geometry

Course	**ENVIRONMENTAL SYSTEMS S D**
Course number	3012.R000.Y/H000.Y
Service ID	03020000
Credit	1.0 science credit
Grade level	11-12
Description	In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Recommended: One unit of high school life science and one unit of high school physical science

Course	**ENVIRONMENTAL SYSTEMS S D DUAL LANGUAGE**
Course number	3012.R0DL.Y/H0DL.Y
Service ID	03020000
Credit	1.0 science credit
Grade level	11-12
Description	In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. Texas law requires at least 40 percent lab and field investigations. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Recommended: One unit of high school life science and one unit of high school physical science. Participation in a Dual Language Program and/or Spanish proficiency.

Course	**FORENSIC SCIENCE S**
Course number	8833.H(Y)
Service ID	13029500
Credit	1.0 science credit
Grade level	11-12
Description	Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biology and Chemistry; Recommended prerequisite or corequisite: any Law, Public Safety, Corrections, and Security Career Cluster course.

Course	**INTEGRATED PHYSICS AND CHEMISTRY**
Course number	3016.R000.Y
Service ID	03060201
Credit	1.0 science credit
Grade level	9-12
Description	In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.
Prerequisites	None

Course	**MEDICAL MICROBIOLOGY S**
Course number	8218.H(Y)
Service ID	13020700
Credit	1.0 science credit
Grade level	10-12
Description	The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biology and Chemistry. Recommended: A course from the Health Science cluster

Course	**PATHOPHYSIOLOGY S**
Course number	8219.H000.Y(Y)
Service ID	13020800
Credit	1.0 science credit
Grade level	11-12
Description	Pathophysiology is designed for students to conduct laboratory and field investigations using the scientific process. Students will be able to make informed decisions using their critical thinking skills and problem-solving techniques. The students will study disease processes and their effects on the human body with a focus on prevention and treatment Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biology and Chemistry. Recommended: A course from the Health Science cluster

Course	**PRINCIPLES OF TECHNOLOGY S**
Course number	8719.R(Y)
Service ID	13037100
Credit	1.0 science credit
Grade level	10-12
Description	In Principles of Technology, students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40 percent of instructional time using safe practices. Texas law requires 40 percent lab and field investigations.
Prerequisites	One credit high school science and Algebra I

Course	**SCIENTIFIC RESEARCH AND DESIGN I-III S**
Course number	8761.H(Y) (Service ID: 13037200) 8762.H(Y) (Service ID: 13037210) 8763.H(Y) (Service ID: 13037220)
Credit	1.0 science credit
Grade level	11-12
Description	Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. All of these components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high-skill, high-wage jobs and/or continue their education.
Prerequisites	Biology, Chemistry, Physics or Integrated Physics and Chemistry (IPC)

Course	**AP BIOLOGY S**
Course number	3610.P000.Y
Service ID	A3010200
Credit	1.0 science credit
Grade level	11-12
Description	AP Biology is the equivalent to a two-semester college introductory biology course. The course covers the diversity and unity of life, cellular process, genetics and information transfer, and biological systems interactions. Focuses on advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines and connecting concepts within the course and across other science disciplines.
Prerequisites	Recommended: Biology, Chemistry

Course	**AP CHEMISTRY S**
Course number	3620.P000.Y
Service ID	A3040000
Credit	1.0 science credit
Grade level	11-12
Description	AP Chemistry is the equivalent to a general chemistry college course. The course covers the structure of matter, bonding and intermolecular forces, chemical reactions, kinetics, thermodynamics, and chemical equilibrium. Focuses on advanced inquiry and reasoning skills, including mental models of the particulate nature of matter, mathematical and logical routines, and establishing lines of evidence to develop and refine testable explanations and predictions of natural phenomena.
Prerequisites	Recommended: Chemistry, Algebra II

Course	**AP ENVIRONMENTAL SCIENCE S**
Course number	3100.P000.Y
Service ID	A3020000
Credit	1.0 science credit
Grade level	11-12
Description	AP Environmental Science is the equivalent to a college environmental science course. The course covers Earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change. Focuses on advanced inquiry-based laboratory investigations to apply scientific principles, concepts, and methodologies to better understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.
Prerequisites	Recommended: Algebra I, two years of high school laboratory science including one year of life science and one year of physical science

Course	**AP PHYSICS I: ALGEBRA-BASED S**
Course number	3633.P000.Y
Service ID	A3050003
Credit	1.0 science credit
Grade level	11-12
Description	AP Physics I: Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Focuses on inquiry-based learning and the ability to reason about physical phenomena using important science process skills such as explaining causal relationships, applying and justifying the use of mathematical routines, designing experiments, analyzing data and making connections across multiple topics within the course and in other science disciplines.
Prerequisites	Recommended: Physics, Algebra I, Algebra II, Geometry Recommended corequisite: a mathematics course listed in §74.12(b)(2)(B) of this title (relating to Foundation High School Program).

Course	**AP PHYSICS II: ALGEBRA-BASED S**
Course number	3634.P000.Y
Service ID	A3050004
Credit	1.0 science credit
Grade level	11-12
Description	AP Physics II: Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Focuses on inquiry-based learning and the ability to reason about physical phenomena using important science process skills such as explaining causal relationships, applying and justifying the use of mathematical routines, designing experiments, analyzing data and making connections across multiple topics within the course and in other science disciplines.
Prerequisites	Recommended: AP Physics I or comparable physics introductory course, Recommended corequisite: precalculus or an equivalent course

Course	**AP PHYSICS C: ELECTRICITY AND MAGNETISM S**
Course number	3631.P000.Y
Service ID	A3050005
Credit	1.0 science credit
Grade level	11-12
Description	The Physics C: Electricity and Magnetism course is a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course.
Prerequisites	Prerequisite: students should have taken or be concurrently taking calculus.

Course	**AP PHYSICS C: MECHANICS S**
Course number	3632.P000.Y
Service ID	A3050006
Credit	1.0 science credit
Grade level	11-12
Description	The Physics C: Mechanics course is equivalent to a one-semester, calculus-based, college-level physics course. It is especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.
Prerequisites	Prerequisite: students should have taken or be concurrently taking calculus.

Social Studies and Economics

Traditional Course Sequence and Testing Guide

Grade	Subject(s)	Assessment(s)
Sixth	World Cultures	
Seventh	Texas Geography and History	
Eighth	U.S. History from exploration to 1877	STAAR Gr 8
Ninth	World Geography	
10th	World History	PSAT
11th	U.S. History from 1877 to present	PSAT/SAT/ACT U.S. History EOC
12th	U.S. Government Economics	PSAT/SAT/ACT

Recommended Advanced Placement (AP)/Dual Credit (DC) Course Sequence and Testing Guide

Grade	Subject(s)	Assessment(s)
Sixth	Advanced World Cultures	
Seventh	Advanced Texas History	
Eighth	Advanced U.S. History	STAAR Gr 8
Ninth	Advanced World Geography AP Human Geography*	AP Course Exam
10th	AP World History	PSAT AP Course Exam
11th	AP U.S. History DC Social Studies	PSAT/SAT/ACT U.S. History EOC AP Course Exam
12th	AP U.S. Government AP Macroeconomics or AP Microeconomics DC Social Studies	PSAT/SAT/ACT AP Course Exam
Social Studies Electives	AP European History AP Psychology AP Comparative Government	AP Course Exam

Advanced courses are strongly recommended but are not a prerequisite for Advanced Placement/dual credit courses.
*AP Human Geography replaces World Geography when completed as a year-long course

Course	**WORLD GEOGRAPHY STUDIES A**
Course number	4000.R000.Y/H000.Y
Service ID	03320100
Credit	1.0 social studies credit
Grade level	9-10
Description	World Geography Studies focuses on the relationships among people, places, and environments that result in patterns on the Earth's surface. Students use the tools and methods of geography to study the principal regions in the world—the Americas, Europe and Eurasia, North Africa and the Middle East, Sub-Saharan Africa, Asia, Australia and Antarctica.
Prerequisites	None

Course	**WORLD GEOGRAPHY STUDIES A DUAL LANGUAGE**
Course number	4000.H0DL.Y
Service ID	03320100
Credit	1.0 social studies credit
Grade level	9-10
Description	World Geography Studies focuses on the relationships among people, places, and environments that result in patterns on the Earth's surface. Students use the tools and methods of geography to study the principal regions in the world—the Americas, Europe and Eurasia, North Africa and the Middle East, Sub-Saharan Africa, Asia, Australia and Antarctica. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Participation in Dual Language Program and/or Spanish proficiency.

Course	**WORLD HISTORY STUDIES A**
Course number	4003.R000.Y
Service ID	03340400
Credit	1.0 social studies credit
Grade level	9-10
Description	World History Studies focuses on the development of human society from prehistoric to modern times. Emphasis is placed on major events, world leaders, economic and political institutions, technological innovations, and the philosophical and religious beliefs that have shaped the modern world. The course employs an interdisciplinary approach to deepen students' understanding of the world's people, today and in the past.
Prerequisites	None

Course	**UNITED STATES HISTORY SINCE 1877 A D**
Course number	4002.R000.Y
Service ID	03340100
Credit	1.0 social studies credit
Grade level	11
Description	This course focuses on U.S. history from Reconstruction to the present. Students analyze major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today. The course uses an interdisciplinary approach to deepen students' understanding of the people and issues that have shaped the United States today.
Prerequisites	Recommended: World Geography and/or World History

Course	**UNITED STATES GOVERNMENT A D**
Course number	4001.R000.X
Service ID	03330100
Credit	0.5 social studies credit
Grade level	12
Description	Government focuses on structures of power and authority in American society. Students study the U.S. Constitution; the roles and responsibilities of the state and national governments; the influence of political parties and other participants in the political system; and the rights and responsibilities of citizens. Through discussions of current issues, students examine the impact of government policies on the lives of U.S. citizens.
Prerequisites	Recommended: United States History Studies

Course	**ECONOMICS/FREE ENTERPRISE A D**
Course number	4013.R000.X
Service ID	03310300
Credit	0.5 economics/free enterprise credit
Grade level	12
Description	Economics/Free Enterprise focuses on the production, distribution, and consumption of goods and services in the U.S. The course emphasizes fundamental principles of market economics, and students learn how markets and prices allocate scarce resources. Students study consumer behavior, the roles of business and government in the economy, the banking system, international trade, and other topics. Through discussions of current economic issues, students deepen their understanding of the U.S. economy.
Prerequisites	Recommended: United States History Studies

Social Studies Electives

Course	**PERSONAL FINANCIAL LITERACY**
Course number	4008.R000.X
Service ID	03380082
Credit	0.5 economics/free enterprise credit or 0.5 elective credit
Grade level	10-12
Description	Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. Personal Financial Literacy is designed to be an interactive and research-based course. The course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. There are many references to conducting a cost-benefit analysis for spending and investing decisions. Students evaluate the necessity of the purchase, the quality or value of the purchase or investment compared to other alternatives, and the total cost of acquisition, particularly in the context of financing options. Students also understand the power of both compound growth on investments and compound interest on debt and how these concepts affect the ability to build wealth over time. This one-half elective credit course includes instruction in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education. This course meets the 0.5 credit requirement for Economics and Free Enterprise.
Prerequisites	None

Course	**PSYCHOLOGY A D**
Course number	4004.R000.X
Service ID	03350100
Credit	0.5 elective credit
Grade level	11-12
Description	Students explore major psychological theories. They learn about human behavior and development, perception and learning, memory and thought, motivation and emotion; personality theories; psychological disorders; and other related topics. Students also practice the skills of observation and analysis used in modern social sciences.
Prerequisites	None

Course	**SOCIOLOGY A D**
Course number	4005.R000.X
Service ID	03370100
Credit	0.5 elective credit
Grade level	11-12
Description	Sociology students study social organizations, institutions, and patterns of social relationships in different cultures. They also analyze the social interactions of individuals and groups. Sociology students learn a systematic method for studying cultures, social institutions, social relationships, and the process of socialization. They also study a variety of social issues such as crime, racial discrimination, gender equity, urbanization, family structure, and other similar topics.
Prerequisites	None

Course	**SOCIAL STUDIES ADVANCED STUDIES 1st and 2nd time taken A**
Course info	4010.H000.X/Y (0.5/1.0 elective credit; first time taken) 4020.H000.X/Y (0.5/1.0 elective credit; second time taken)
Service ID	1st time taken: 03380001 2nd time taken: 03380021
Grade level	11-12
Description	This course is designed for individual students or small groups of students who wish to participate in an independent research project. Critical thinking, research, presentation, and problem-solving skills are emphasized. Students may take this course with different content for a maximum of two credits. Note that these Service IDs will be used for Ethnic Studies courses district-wide; courses are listed below.
Prerequisites	None

Course	**SOCIAL STUDIES ADVANCED STUDIES: ETHNIC STUDIES PART 1 & 2**
Course number	4010.H100.Y, part 1 4020.H100.Y, part 2
Service ID	03380001, part 1 03380002, part 2
Credit	1.0 elective credit
Grade level	09-12
Description	The Ethnic Studies course aims to teach students to explore and use identity and history through the lenses of race, ethnicity, nationality, class, gender, sexual orientation, indigeneity, and culture. Seeing themselves and their communities in historical context, students gain a deeper appreciation of the contributions and complex experiences of diverse groups. Students study the local, state, and national history from pre-colonization to the present with a critical focus on the movements and changes promoting equity and justice. This course emphasizes research skills, creativity, connectedness, collaboration, critical thinking and empathy to promote college and career readiness. Students will gain a thoughtful and critical perspective through this course, becoming powerful advocates for change. Students will study the social construction of race and examine how it is an organizing principle in society. This is the same service ID as Advanced Studies.
Prerequisites	None

Course	**AFRICAN AMERICAN STUDIES**
Course number	4014.R000.Y/.H000.Y
Service ID	03380085
Credit	1.0 elective credit
Grade level	09-12
Description	African American Studies is a conceptually driven course that introduces students to the exploration of the rich and diverse history and culture of African Americans. The goal of this course is to broaden the knowledge and understandings of students interested in learning about history, citizenship, culture, economics, science, technology, geography and the political realities of African Americans.
Prerequisites	None

Course	**SOCIAL STUDIES RESEARCH METHODS 1st -4th time taken A**
Course number	4012.R000.X/H000.X (1st time taken) 4022.H000.X (2nd time taken) 4032.H000.X (3rd time taken) 4042.H000.X (4th time taken)
Service ID	1st time taken: 03380003 2nd time taken: 03380023 3rd time taken: 03380033 4th time taken: 03380043
Credit	0.5 elective credit
Grade level	11-12
Description	Students use the quantitative and qualitative methods of inquiry employed by social scientists to study selected problems. Typical problems include voter participation, qualities of leaders, the impact of pollution on a community, literacy, dropout rates, smoking among teenagers, etc. Critical thinking, research, presentation, and problem-solving skills are emphasized. Students may take this course with different content for a maximum of two credits.
Prerequisites	Recommended: Grade 11 classification

Course	**SPECIAL TOPICS IN SOCIAL STUDIES 1st-4th time taken A D**
Course number	4011.R000.X/H000.X (1st time taken) 4021.R000.X/H000.X (2nd time taken) 4031.H000.X (3rd time taken) 4041.H000.X (4th time taken)
Service ID	1st time taken: 03380002 2nd time taken: 03380022 3rd time taken: 03380032 4th time taken: 03380042
Credit	0.5 elective credit
Grade level	11-12
Description	In Special Topics in Social Studies, an elective course, students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives. Students may take this course with different content for a maximum of two credits. Examples of Special Topics courses include: • Constitutional Law: Students study landmark Supreme Court decisions and explore issues of liberty, equality, order, property rights, due process of law that have shaped our nation's history and institutions. Students read extensively and complete a formal research project using primary and secondary sources. • Contemporary Issues: Students study issues that have affected the United States since World War II, such as the Cold War, nuclear proliferation, the Civil Rights movement, and the Vietnam conflict. They also study issues in the daily news and develop and present a formal research project. • World Belief Systems: Students systematically study and compare the world's great religions and philosophies. Students consider animism, Buddhism, Christianity, Hinduism, Islam, Judaism, and other systems of thought and belief in depth from different perspectives, and in their cultural and historical contexts. Students read extensively and conduct formal research.
Prerequisites	None

Course	**AP COMPARATIVE GOVERNMENT AND POLITICS A**
Course number	4616.P000.X
Service ID	A3330200
Credit	0.5 elective credit
Grade level	12
Description	AP Comparative Government and Politics introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures, policies, and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.
Prerequisites	Recommended: AP United States History

Course	**AP EUROPEAN HISTORY A**
Course number	4617.P000.Y
Service ID	A3340200
Credit	1.0 elective credit
Grade level	11-12
Description	AP European History is a college-level survey of European history since 1450. The course emphasizes intellectual-cultural, political-diplomatic, and social-economic history. The content is presented in depth and at an accelerated pace. It includes the methods of historical analysis, college-level readings, document analysis, and interdisciplinary research and writing projects.
Prerequisites	Recommended: World Geography Advanced and AP World History Studies

Course	**AP HUMAN GEOGRAPHY A**
Course info	4618.P000.X (0.5 elective credit; grades 11-12) 4600.P000.Y (1.0 social studies credit; grades 9-12)
Service ID	For 4618.P000.X: A3360200 For 4600.P000.Y: A3360100
Description	This is a college-level course introducing students to the systematic study of processes and patterns that have shaped human understanding, use, and alteration of the earth's surface. Students employ landscape analysis and spatial concepts to analyze social organization and its environmental consequences. Students also learn about the tools and methods geographers use in their science and practice. When completed for one credit, this course may be used as a substitute for World Geography Studies. When completed for one-half credit, this course may be used to meet only elective course requirements.
Prerequisites	Recommended: Grade 11 classification

Course	**AP MACROECONOMICS A**
Course number	4615.P000.X
Service ID	A3310200
Credit	0.5 economics/free enterprise credit
Grade level	12
Description	AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.
Prerequisites	Recommended: AP United States History

Course	**AP MICROECONOMICS A**
Course number	4614.P000.X
Service ID	A3310100
Credit	0.5 economics/free enterprise credit
Grade level	12
Description	AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.
Prerequisites	Recommended: AP United States History

Course	**AP PSYCHOLOGY A**
Course number	4604.P000.X
Service ID	A3350100
Credit	0.5 elective credit
Grade level	11-12
Description	AP Psychology is a college-level introduction to the concepts and methods of psychology. The course content is presented in depth and at an accelerated pace. Students learn the principal theories of psychology and study factors that affect human behavior and development, perception and learning, memory and thought, motivation emotion personality disorders, and related topics. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.
Prerequisites	Recommended: Grade 11 classification

Course	**AP U.S. GOVERNMENT AND POLITICS A**
Course number	4601.P000.X
Service ID	A3330100
Credit	0.5 social studies credit
Grade level	12
Description	AP Government is a college-level introduction to American government. The course content is presented in depth and at an accelerated pace. Students use the tools and methods of political science to analyze issues in U.S. politics. They read college-level texts, analyze documents, and conduct formal research and writing projects.
Prerequisites	Recommended: AP United States History

Course	**AP UNITED STATES HISTORY A**
Course number	4602.P000.Y
Service ID	A3340100
Credit	1.0 social studies credit
Grade level	11
Description	AP U.S. History is a college-level survey of U.S. history from exploration to the present. The course content is presented in depth and at an accelerated pace. It includes a study of the methods of historical analysis, college-level readings, document analysis, and interdisciplinary research and writing projects.
Prerequisites	Recommended: World Geography Advanced and World History Advanced

Course	**AP WORLD HISTORY A**
Course number	4603.P000.Y
Service ID	A3370100
Credit	1.0 social studies credit
Grade level	10-12
Description	AP World History is a college-level survey of world history from early times to the present. The course emphasizes intellectual-cultural, political-diplomatic, and social-economic history. The content is presented in depth and at an accelerated rate. It includes the methods of historical analysis, college-level reading, document analysis, and interdisciplinary research and writing projects.
Prerequisites	Recommended: World Geography Advanced

Course	**AP WORLD HISTORY A DUAL LANGUAGE**
Course number	4603.P0DL.Y
Service ID	A3370100
Credit	1.0 social studies credit
Grade level	10-12
Description	AP World History is a college-level survey of world history from early times to the present. The course emphasizes intellectual-cultural, political-diplomatic, and social-economic history. The content is presented in depth and at an accelerated rate. It includes the methods of historical analysis, college-level reading, document analysis, and interdisciplinary research and writing projects. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Recommended: World Geography Advanced. Participation in a Dual Language Program and/or Spanish proficiency.

Visual & Performing Arts

Visual Arts

Foundational Courses

Either of these two courses will fill the prerequisite requirement for all Level I visual art courses.

Course	**ART I A**
Course number	5000.R000.Y
Service ID	03500100
Credit	1.0 fine arts credit
Grade level	9-12
Description	This course lays the foundation for learning art processes, procedures, theories, history, and art judgment. The approach is experimental in use of materials (drawing, painting, printmaking, fibers, ceramics, sculpture, jewelry, photography) but structured to provide students a strong foundation in design, drawing, and vocabulary.
Prerequisites	None

Course	**ART AND MEDIA COMMUNICATIONS I-II A**
Course number	5701.R000.Y 5702.R000.Y
Service ID	For 5701.R000.Y: 03500120 For 5702.R000.Y: 03501230
Credit	1.0 fine arts credit
Grade level	9-12
Description	Students combine study of modern, post-modern, and contemporary visual art and design with media literacy and technology applications. Creation and analysis of student artworks will be balanced with explorations into traditional hand skills with current technology applications to create new media such as animations, digital images, multimedia presentation, digital video, websites, and interactive or site-based installations and performances. Student work will culminate in a capstone project that investigates an issue relevant to the student and uses art, design, and visual communications to address a problem within the community or effect a change.
Prerequisites	None

Course	**FLORAL DESIGN**
Course number	8348.H(Y)
Service ID	13001800
Credit	1.0 fine arts credit
Grade level	10-12
Description	This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources.

Level I Art

Art courses at this level offer in-depth art experiences. They are flexible in scope and allow students to make choices from a broad range of art areas. Opportunities for observation and perception, creative expression, historical and cultural relevance and critical evaluation are components of all courses.
Prerequisites: Before a student can advance to a Level I art course, they must complete one of the two Foundational courses.

Level II Art

Courses offer in-depth art experiences. They are flexible in scope allowing students to make choices from a broad range of art areas. Opportunities for observation and perception, creative expression, historical and cultural relevance and critical evaluation are components of all Level II courses. In addition to the regular curriculum, students may enroll in weighted art courses which require the completion of extra work as described in the Visual & Performing Arts curriculum documents.
Prerequisites: Before a student can advance to a Level II art course, they must complete any art Level I course. Teacher approval is recommended for Level II and above.

Level III Art

Courses allow students to choose the area or areas of personal interest in which they desire to work in-depth. Students explore increasingly complicated and challenging processes and media. Students begin to develop personal style and evaluate their own work more critically. Level III courses require the completion of extra work as described in the Visual & Performing Arts curriculum documents, and these courses receive weighted credit; however, there are some Level III courses in which students may take and receive regular credit.
Prerequisites: Before a student can advance to a Level III art course, they must complete any art II course Teacher approval is recommended for Level II and above.

Course	**DRAWING I-III A**
Course number	5031.R000.Y (Service ID: 03500500) 5032.R000.Y/H000.Y (Service ID: 03501300) 5033.R000.Y/H000.Y (Service ID: 03502300)
Credit	1.0 fine arts credit
Grade level	10-12
Description	Students explore design elements and principles through composition, abstraction, and expression. They also study contour gesture and other techniques, with emphasis on representation of volume. They explore use of papers, cardboards, and fabric in combination with charcoal, pastels, pen and ink, brushes, felt tips, and mixed media. In Level II they increase awareness of composition with abstract, non-objective, and realistic renderings. Students will use many drawing materials and tools with emphasis on perfecting individual approaches to drawing.
Prerequisites	For Level I visual arts courses, either of the two foundational courses (Art I or Art and Media Communications I and II). For Levels II and III visual arts courses, the previous course within the same medium/discipline.

Course	**PAINTING I-III A**
Course number	5061.R000.Y (Service ID: 03500600) 5062.R000.Y/H000.Y (Service ID: 03501400) 5063.R000.Y/H000.Y (Service ID: 03502400)
Credit	1.0 fine arts credit
Grade level	10-12
Description	Art elements and principles are used to strengthen concepts of design. Various styles of paintings, including contemporary painting are analyzed. Students experiment with a variety of techniques and materials including tempera, synthetic media, watercolor, latex, and enamels on various surfaces such as cardboard, poster board, Masonite, canvas, and cloth. In Level II, experimentation in techniques, media, and surfaces in both two and three dimensions is explored. Students discover which painting media best describes individual intentions.
Prerequisites	For Level I visual arts courses, either of the two foundational courses (Art I or Art and Media Communications I and II). For Levels II and III visual arts courses, the previous course within the same medium/discipline.

Course	**PRINTMAKING I-III A**
Course number	5081.R000.Y (Service ID: 03500700) 5082.R000.Y/H000.Y (Service ID: 03501500) 5083.R000.Y/H000.Y (Service ID: 03502500)
Credit	1.0 fine arts credit
Grade level	10-12
Description	Students use principles and elements of design with emphasis on positive-negative space. They experiment with mono-prints, multiple prints, reduction printings, and materials, such as linoleum, cardboard, found objects, wood, and electronics. They also study various processes such as relief, planography, intaglio, stencil, photographic, and papermaking. In Level II, personal expression and choice of techniques is emphasized. Students explore printmaking in commercial artwork, serigraphy, lithography, and etching.
Prerequisites	For Level I visual arts courses, either of the two foundational courses (Art I or Art and Media Communications I and II). For Levels II and III visual arts courses, the previous course within the same medium/discipline.

Course	**FIBERS I-III A**
Course number	5041.R000.Y (Service ID: 03500800) 5042.R000.Y/H000.Y (Service ID: 03501600) 5043.R000.Y/H000.Y (Service ID: 03502600)
Credit	1.0 fine arts credit
Grade level	10-12
Description	Students explore techniques such as weaving, knotting, stitchery, and dyeing, separately and in combination with other media. They use a variety of natural and synthetic materials in soft sculptures, airborne sculptures (kites, windsocks, inflatable) and conceptual works while applying the art elements and principles. In Level II, mixed media is explored through combining three-dimensional forms with two-dimensional forms.
Prerequisites	For Level I visual arts courses, either of the two foundational courses (Art I or Art and Media Communications I and II). For Levels II and III visual arts courses, the previous course within the same medium/discipline.

Course	**CERAMICS I-III A**
Course number	5001.R000.Y (Service ID: 03500900) 5002.R000.Y/H000.Y (Service ID: 03501800) 5003.R000.Y/H000.Y (Service ID: 03502700)
Credit	1.0 fine arts credit
Grade level	10-12
Description	Students apply art elements and principles through different methods and materials. They explore methods such as wheel throwing, slab, coil, and pinch, separately and in combination. Students produce functional and experimental two- and three-dimensional clay forms. They explore surface treatments such as stamping, scraping, glazing, under glazing, staining, painting, and firing. In Level II, students will explore ceramic techniques, clays, glazes and firings. They explore surface treatment relating to form, variety in ceramic materials, and leading and firing kilns.
Prerequisites	For Level I visual arts courses, either of the two foundational courses (Art I or Art and Media Communications I and II). For Levels II and III visual arts courses, the previous course within the same medium/discipline.

Course	**SCULPTURE I-III A**
Course number	5091.R000.Y (Service ID: 03501000) 5092.R000.Y/H000.Y (Service ID: 03501900) 5093.H000.Y (Service ID: 03502800)
Credit	1.0 fine arts credit
Grade level	10-12
Description	Students study design elements and principles of form and positive-negative space. They explore additive and subtractive processes utilizing various techniques with firebrick, wood, foam, glass, clay, and plaster. In Level II, students develop design skills that emphasize form and space in student choice of techniques. They explore massive form materials such as plaster, concrete, salt block, vermiculite, metal, and wood.
Prerequisites	For Level I visual arts courses, either of the two foundational courses (Art I or Art and Media Communications I and II). For Levels II and III visual arts courses, the previous course within the same medium/discipline.

Course	**JEWELRY I-III A**
Course number	5051.R000.Y (Service ID: 3501100) 5052.R000.Y/H000.Y (Service ID: 03502000) 5053.R000.Y/H000.Y (Service ID: 03502900)
Credit	1.0 fine arts credit
Grade level	10-12
Description	Students use natural and human-made materials such as metals, wood, clay, papier-mâché, and plexiglass in casting, and carving, separately and in combination. They explore positive/negative space, personal adornment, function, experimental shapes, and individual techniques. In Level II, students will study functional and aesthetic form in jewelry using a variety of materials and mixed media.
Prerequisites	For Level I visual arts courses, either of the two foundational courses (Art I or Art and Media Communications I and II). For Levels II and III visual arts courses, the previous course within the same medium/discipline.

Course	**PHOTOGRAPHY I-III A**
Course number	5071.R000.Y (Service ID: 03501200) 5072.R000.Y/H000.Y (Service ID: 03502200) 5073.R000.Y/H000.Y (Service ID: 03503100)
Credit	1.0 fine arts credit
Grade level	10-12
Description	Students learn about cameras, photographic composition, taking and developing photographs, making short movies, and producing multi-media presentations. They explore relationships with silkscreen and electronic media such as computer graphics and television. In Level II, students develop design in media compositions and explore the relationship to drawing and other processes while refining photos and production in electronic media.
Prerequisites	For Level I visual arts courses, either of the two foundational courses (Art I or Art and Media Communications I and II). For Levels II and III visual arts courses, the previous course within the same medium/discipline.

Course	**DESIGN I-III A**
Course number	5011.R000.Y (Service ID: 03501210) 5012.R000.Y/H000.Y (Service ID: 03502210) 5013.R000.Y/H000.Y (Service ID: 03503210)
Credit	1.0 fine arts credit
Grade level	10-12
Description	Students will solve visual problems by developing solutions that utilize design and technical skills through in-depth study and use of the elements of art and principles of design. Study of a variety of fine art, architecture, crafts, advertisements, and designs from nature will be used as students develop their own ideas while creating, using a variety of media and tools. Level II will explore personal reactions to design and communicate feelings and ideas through original creations.
Prerequisites	For Level I visual arts courses, either of the two foundational courses (Art I or Art and Media Communications I and II). For Levels II and III visual arts courses, the previous course within the same medium/discipline.

Course	**DIGITAL ART AND MEDIA I-III A**
Course number	5021.R000.Y (Service ID: 03501220) 5022.H000.Y (Service ID: 03502220) 5023.H000.Y (Service ID: 03503220)
Credit	1.0 fine arts credit
Grade level	10-12
Description	Students combine knowledge of design elements and principles with other areas such as typography, technology, photography, and reproduction methods. Using traditional and non-traditional materials, students solve design problems. Students learn to use image manipulation programs and traditional drawing, painting, and layout techniques. In Level II, students refine problem-solving skills by studying themes in art history and recurring themes from different periods and cultures. They identify training and career opportunities.
Prerequisites	For Level I visual arts courses, either of the two foundational courses (Art I or Art and Media Communications I and II). For Levels II and III visual arts courses, the previous course within the same medium/discipline.

Course	**AP ART HISTORY A**
Course number	5626.P000.Y
Service ID	A3500100
Credit	1.0 fine arts credit
Grade level	11-12
Description	This introductory college-level course provides the student with an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. Art History also emphasizes understanding works in context, considering such issues as patronage, gender, and the functions and effects of works of art. Requires a high degree of commitment to academic work to meet college standards.
Prerequisites	Recommended: Either of the two foundational courses (Art I or Art and Media Communications I and II) plus a Level I visual arts course

Course	**AP STUDIO ART: DRAWING PORTFOLIO A**
Course number	5627.P000.Y
Service ID	A3500300
Credit	1.0 fine arts credit
Grade level	11-12
Description	Students develop a portfolio addressing a very broad interpretation of drawing issues and media. Light, shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth can be addressed. Abstract, observational, and inventive works through a variety of means, which could include painting, printmaking, mixed media, etc. may be used. Work will be divided into three sections of the portfolio including quality, concentration, and breadth.
Prerequisites	Recommended: Either of the two foundational courses (Art I or Art and Media Communications I and II) plus a Level I visual arts course

Course	**AP STUDIO ART: 2-D DESIGN PORTFOLIO A**
Course number	5628.P000.Y
Service ID	A3500400
Credit	1.0 fine arts credit
Grade level	11-12
Description	Students develop a portfolio addressing a very broad interpretation of drawing issues and media. Purposeful decision-making about how to use the elements and principles of art in an integrative way to demonstrate mastery of 2-D is required. Mediums and processes could include graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. Work will be divided into three sections of the portfolio including quality, concentration, and breadth.
Prerequisites	Recommended: Either of the two foundational courses (Art I or Art and Media Communications I and II) plus a Level I visual arts course

Course	**AP STUDIO ART: 3-D DESIGN PORTFOLIO A**
Course number	5629.P000.Y
Service ID	A3500500
Credit	1.0 fine arts credit
Grade level	11-12
Description	Students develop a portfolio addressing sculptural issues. Portfolios will demonstrate an understanding of design principles as they relate to depth and space through any 3-D approach including figurative or nonfigurative. Mediums and processes could include sculpture, architectural models, metal work, ceramics, and three-dimensional fiber arts. Work will be divided into three sections of the portfolio including quality, concentration, and breadth.
Prerequisites	Recommended: Either of the two foundational courses (Art I or Art and Media Communications I and II) plus a Level I visual arts course

Theatre

Attendance at performances and rehearsals outside school hours is required and included in grades. In addition to the regular curriculum, students will be required to complete extra work for weighted credit. Within one theatre strand, students are encouraged to follow the sequence of courses to complete a Humanities and Fine Arts endorsement.
Prerequisite: Before a student can advance to the next-level theatre course, they must complete any previous-level theatre course.

Course	**MUSICAL THEATRE I-IV A**
Course number	5601.R000.Y (Service ID: 03251900) 5602.R000.Y (Service ID: 03252000) 5603.H000.Y (Service ID: 03252100) 5604.H000.Y (Service ID: 03252200)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Musical Theatre will expose students to a wide range of on-stage performance disciplines, including acting performance, vocal performance, and dance performance. The course will also provide an atmosphere in which students benefit from a teaching and learning experience in these performance disciplines of musical theatre.

Course	**THEATRE ARTS I-IV A D**
Course number	5611.R000.Y (Service ID: 03250100) 5612.R000.Y (Service ID: 03250200) 5613.R000.Y/H000.Y (Service ID: 03250300) 5614.R000.Y/H000.Y (Service ID: 03250400)
Credit	1.0 fine arts credit
Grade level	9-12
Description	An overview of theatre arts, basic acting techniques, and introduction to stagecraft. This course includes instruction in acting techniques, stagecraft, use of body and voice, characterization, interpretation of scripts and characters, production style, career education, and a variety of theatrical forms. Upper-level students will have the opportunity to study mime, dance, drama, theatre for children, musical theatre, radio, television, film, and career options. In addition to the regular curriculum, students will be required to complete extra work for weighted credit.

Course	**TECHNICAL THEATRE I-IV A**
Course number	5691.R000.Y (Service ID: 03250500) 5692.R000.Y (Service ID: 03250600) 5693.R000.Y/H000.Y (Service ID: 03251100) 5694.R000.Y/H000.Y (Service ID: 03251200)
Credit	1.0 fine arts credit
Grade level	9-12
Description	This course includes an overview of technical theatre and the beginning study of construction and operation of scenery, properties, lighting instruments, makeup, sound, and public relations programs. First year in the program, regardless of grade level.

Course	**THEATRE PRODUCTION I-IV A**
Course number	5621.R000.Y (Service ID: 03250700) 5622.R000.Y (Service ID: 03250800) 5623.R000.Y/H000.Y (Service ID: 03250900) 5624.R000.Y/H000.Y (Service ID: 03251000)
Credit	1.0 fine arts credit
Grade level	9-12
Description	This course is designed to meet outside regular school hours for a minimum of 80 hours for each unit of credit. It provides practical, hands-on experience in acting and stagecraft. Students develop production and acting skills for public performance outside school hours. In addition to the regular curriculum, students will be required to complete extra work for weighted credit.

Course	**THEATRE AND MEDIA COMMUNICATIONS I-II A**
Course number	5731.R000.Y (Service ID: 03251300) 5732.R000.Y (Service ID: 03251400)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Theatre and Media Communications I provides students with a relevant experiential study of theatre along with video and audio design. Students will learn how to bridge traditional stagecraft with current technology applications to create new media such as animations, digital images, multimedia presentation, digital video, websites, and interactive performances. Student work will culminate in a capstone project that investigates an issue relevant to the student and uses a digital stage to address a problem within the community or to effect a change.

Instrumental Music

Attendance at performances and rehearsals outside school hours is required and included in grades. In addition to the regular curriculum, students will be required to complete extra work for weighted credit. Within one music strand, students are encouraged to follow the sequence of courses to complete a Humanities and Fine Arts endorsement.

Course	**BAND I-IV A**
Course number	5201.R000.Y (Service ID: 03150100) 5202.R000.Y (Service ID: 03150200) 5203.R000.Y/H000.Y (Service ID: 03150300) 5204.R000.Y/H000.Y (Service ID: 03150400)
Credit	1.0 fine arts credit
Grade level	9-12
Description	High school band classes are offered for a sequential, continuing study of band music. The four band levels are generally a continuation of the band curriculum from middle school skills. Band I-IV is performance-oriented and focuses on individual as well as ensemble skills. Students develop advanced wind/percussion techniques as they study the wide range of band literature. Advanced musicianship is developed through the study of instrumental techniques, sight-reading skills, and music listening. Students are expected to furnish their own instruments, although some instruments may be available for use from the campus. Rapidly progressing students may be transferred to a more advanced band level as approved by the director, and as scheduling permits. Out-of-school rehearsals and performances are required. The component of marching band is included in the total band spectrum in the fall from band levels I to IV. Marching band participants in the fall semester are eligible for PE substitution.
Prerequisites	Recommended: Band, Middle School 1 (Beginning), Middle School 2 (Intermediate), and Middle School 3 (Advanced) and/or director's approval recommended for placement in all ensembles.

Course	**ORCHESTRA I-IV A**
Course number	5321.R000.Y (Service ID: 03150500) 5322.R000.Y (Service ID: 03150600) 5323.R000.Y/H000.Y (Service ID: 03150700) 5324.R000.Y/H000.Y (Service ID: 03150800)
Credit	1.0 fine arts credit
Grade level	9-12
Description	High school orchestra classes are offered for a sequential, continuing study of orchestral music. The four orchestra levels are generally a continuation of the orchestra curriculum from middle school skills. Orchestra I-IV is performance-oriented and focuses on individual as well as ensemble skills. Students develop advanced string/orchestral techniques as they study the wide range of orchestral literature. Advanced musicianship is developed through the study of instrumental techniques, sight-reading skills, and music listening. Students are expected to furnish their own instruments, although some instruments may be available for use from the campus. Rapidly progressing students may be transferred to a more advanced orchestra level as approved by the director, and as scheduling permits. Out-of-school rehearsals and performances are required.
Prerequisites	Recommended: Orchestra, Middle School 1 (Beginning), Middle School 2 (Intermediate), and Middle School 3 (Advanced) and/or director's approval recommended for placement in all ensembles.

Course	**GUITAR I-IV A**
Course number	5501.R000.Y (Service ID: 03154600) 5502.R000.Y (Service ID: 03154700) 5503.H000.Y (Service ID: 03154800) 5504.H000.Y (Service ID: 03154900)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Students develop guitar techniques and study guitar literature.
Prerequisites	Recommended: Guitar, Middle School 1 (Beginning), Middle School 2 (Intermediate), Middle School 3 (Advanced) and/or director’s approval recommended for placement in all classes.

Course	**PIANO I-IV A**
Course number	5511.R000.Y (Service ID: 03154200) 5512.R000.Y (Service ID: 03154300) 5513.H000.Y (Service ID: 03154400) 5514.H000.Y (Service ID: 03154500)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Students develop piano techniques and study piano literature.
Prerequisites	Recommended: Piano, Middle School 1 (Beginning), Middle School 2 (Intermediate), Middle School 3 (Advanced) or another middle school music course such as band, choir, orchestra or guitar and/or director’s approval recommended for placement in all classes.

Course	**HARP I-IV A**
Course number	5301.R000.Y (Service ID: 03155000) 5302.R000.Y (Service ID: 03155100) 5303.H000.Y (Service ID: 03155200) 5304.H000.Y (Service ID: 03155300)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Students develop harp techniques and study harp literature.
Prerequisites	Recommended: Music, Middle School 1 (Beginning), Middle School 2 (Intermediate), Middle School 3 (Advanced) such as band, choir, orchestra or guitar and/or director’s approval recommended for placement in all classes.

Course	**MARIACHI I-IV A**
Course number	5311.R000.Y (Service ID: 03153800) 5312.R000.Y (Service ID: 03153900) 5313.H000.Y (Service ID: 03154000) 5313.H000.Y (Service ID: 03154100)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Students learn and develop mariachi techniques and study mariachi literature.
Prerequisites	Recommended: Enrollment in middle school band, orchestra, and/or choir. Attendance at rehearsals and performances outside school hours is recommended.

Course	**JAZZ BAND I-IV A**
Course number	5221.R000.Y (Service ID: 03151300) 5222.R000.Y (Service ID: 03151400) 5223.H000.Y (Service ID: 03151500) 5224.H000.Y (Service ID: 03151600)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Students develop jazz techniques and study jazz literature. Wind and percussion players must be enrolled in a regular band class. Guitar, electric bass, and keyboard players need not be enrolled in a regular band or orchestra.
Prerequisites	Recommended: An enrolled member of a regular band or orchestra class and/or director approval.

Course	**INSTRUMENTAL ENSEMBLE I-IV A**
5211 Instrumental Ensemble 1 Service ID: 03151700	5211.R000.Y 5211.R100.Y (Band) 5211.R200.Y (Orchestra, harp, violin, viola, cello, bass) 5211.R300.Y (Guitar) 5211.R400.Y (Piano) 5211.R500.Y (Steel drum) 5211.R600.Y (Jazz) 5211.R700.Y (Mariachi) 5211.R800.Y (Percussion)
5212 Instrumental Ensemble 2 Service ID: 03151800	5212.R000.Y 5212.R100.Y (Band) 5212.R200.Y (Orchestra, harp, violin, viola, cello, bass) 5212.R300.Y (Guitar) 5212.R400.Y (Piano) 5212.R500.Y (Steel drum) 5212.R600.Y (Jazz) 5212.R700.Y (Mariachi) 5212.R800.Y (Percussion)
5213 Instrumental Ensemble 3 Service ID: 03151900	5213.H000/R000.Y 5213.H100/R100.Y (Band) 5213.H200/R200.Y (Orchestra, harp, violin, viola, cello, bass) 5213.H300/R300.Y (Guitar) 5213.H400/R400.Y (Piano) 5213.H500/R500.Y (Steel drum) 5213.H600/R600.Y (Jazz) 5213.H700/R700.Y (Mariachi) 5213.H800/R800.Y (Percussion)
5214 Instrumental Ensemble 4 Service ID: 031520000	5214.H000/R000.Y 5214.H100/R100.Y (Band) 5214.H200/R200.Y (Orchestra, harp, violin, viola, cello, bass) 5214.H300/R300.Y (Guitar) 5214.H400/R400.Y (Piano) 5214.H500/R500.Y (Steel drum) 5214.H600/R600.Y (Jazz) 5214.H700/R700.Y (Mariachi) 5214.H800/R800.Y (Percussion)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Students study the specialized technical problems of performance techniques for brass, woodwind, percussion and stringed instruments. Options may include Mariachi and Steel Drum Band. Literature for small ensembles is studied. Wind and percussion players must be enrolled in a regular band class, and string players must be enrolled in a regular orchestra class.
Prerequisites	Recommended: One year or concurrent enrollment in a Level I-IV ensemble (band, choir, guitar or orchestra) and/or director's approval.

Course	**APPLIED MUSIC I-IV (INSTRUMENTAL) A**
Course number	5851.R100.Y (Service ID: 03152500) 5852.R100.Y (Service ID: 03152600) 5853.H100.Y (Service ID: 03152601) 5854.H100.Y (Service ID: 03152602)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Credit is awarded for private music study outside of school hours and off campus. Credit can be granted for the course only when the contracting student is enrolled concurrently in at least one additional instrumental music course offered by the school. The private teacher must cover all the Texas Essential Knowledge and Skills (TEKS) during the course of study. The band or orchestra director shall be the teacher of record and will verify the quality of the work. Each individual contract must be completed within 12 calendar months or less.
Prerequisites	None

Choral Music

Attendance at performances and rehearsals outside school hours is required and included in grades. In addition to the regular curriculum, students will be required to complete extra work for weighted credit in Level III and IV courses. Within the choral strand, students are encouraged to follow the sequence of courses to complete a Humanities and Fine Arts endorsement.

Course	**CHOIR I-IV A**
Course number	5401.R000.Y (Service ID: 03150900) – .R00B.Y – Boys / .R00G.Y - Girls 5402.R000.Y (Service ID: 03151000) – .R00B.Y – Boys / .R00G.Y - Girls 5403.R000.Y/H000.Y (Service ID: 03151100) – .R00B.Y – Boys / .R00G.Y - Girls 5404.R000.Y/H000.Y (Service ID: 03151200) – .R00B.Y – Boys / .R00G.Y - Girls
Credit	1.0 fine arts credit
Grade level	9-12
Description	Choral music develops musicianship through study of vocal technique, music/sight-reading skills, and listening experiences in analysis and description. Periods of music history and the music of many cultures are explored. Unison, two- three-, and four-part choral literature is prepared and performed publicly. Choral directors may place young men and women in separate choirs to help them navigate their changing voices, develop wider vocal ranges, and adhere to UIL standards.
Prerequisites	Recommended: Choir, Middle School 1 (Beginning), Middle School 2 (Intermediate), and Middle School 3 (Advanced) choir and/or director's approval recommended for placement in all ensembles.

Course	**VOCAL ENSEMBLE I-IV A**
Course number	5411.R000.Y (Service ID: 03152100) 5412.R000.Y (Service ID: 03152200) 5413.H000.Y (Service ID: 03152300) 5414.H000.Y (Service ID: 03152400)
Credit	1.0 fine arts credit
Grade level	9-12
Description	This course emphasizes carrying an independent part in an ensemble group. Various groups such as madrigal, jazz and show choirs are formed based on the abilities and interests of the students. Out-of-school rehearsals and performances are required.
Prerequisites	Recommended: One year or concurrent enrollment in a Level I-IV choral ensemble and director’s approval.

Course	**APPLIED MUSIC I-IV (CHORAL) A**
Course number	5851.R000.Y (Service ID: 03152500) 5852.R000.Y (Service ID: 03152600) 5853.H000.Y (Service ID: 03152601) 5854.H000.Y (Service ID: 03152602)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Credit is awarded for private music study outside of school hours and off campus. Credit can be granted for the course only when the contracting student is enrolled concurrently in at least one additional choral music course offered by the school. The private teacher must cover all the Texas Essential Knowledge and Skills (TEKS) during the course of study. The choir director shall be the teacher of record and will verify the quality of the work. Each individual contract must be completed within 12 calendar months or less.
Prerequisites	None

Music Studies

Course	**MUSIC THEORY I-II A**
Course number	5841.R000.Y (Service ID: 03155400) 5842.R000.Y (Service ID: 03155500)
Credit	1.0 fine arts credit
Grade level	9-10
Description	Music Theory I is a basic survey of the fundamentals and vocabulary of music. It involves rules and terminology of notation, ear training, sight singing, harmonic and melodic dictation, and form analysis. Technical applications to keyboard, singing, and/or guitar are included in the coursework. Students enrolled in this course must have access to a keyboard instrument at home for practice and completion of assignments.
Prerequisites	Recommended: Middle School 1, 2, and 3 Band, choir, guitar, piano or orchestra, and one year or concurrent enrollment in a level I-II ensemble (band, choir, guitar or orchestra) and director’s approval.

Course	**AP MUSIC THEORY A**
Course number	5641.P000.Y
Service ID	A3150200
Credit	1.0 fine arts credit
Grade level	11-12
Description	Students learn to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Develop aural, sight-singing, written, compositional, dictation and analytical skills through a series of listening, performance, written, creative, and analytical exercises. Students enrolled in this course must have access to a keyboard instrument at home for practice and completion of assignments. Attending out of school sessions and performances are required and part of the student’s grade.
Prerequisites	Recommended: Music Theory I and II or the passing of a placement exam and one year or concurrent enrollment in a level III or IV ensemble (band, choir, guitar or orchestra) and director’s approval.

Dance

Attendance at performances and rehearsals outside school hours is required and included in grades. In addition to the regular curriculum, students will be required to complete extra work for weighted credit. Within the dance discipline, students are encouraged to follow the sequence of courses to complete a Humanities and Fine Arts endorsement.

Course	**PRINCIPLES OF DANCE I-IV A**
Course number	5151.R000.Y (Service ID: 03830100) 5152.R000.Y (Service ID: 03830200) 5153.R000.Y/H000.Y (Service ID: 03830300) 5154.R000.Y/H000.Y (Service ID: 03830400)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Students learn to work cooperatively with others through various group compositions. Students learn about the cultural, historic and artistic diversity of various dance styles. Students have an opportunity to choreograph and present a movement piece using the body as a means of expression. Students must perform in a public recital.
Prerequisites	Before a student can advance to the next level Dance course, they must complete any previous level Dance course.

Course	**DANCE COMPOSITION/IMPROV I-IV A**
Course number	5181.R000.X (Service ID: 03832500) 5182.R000.X (Service ID: 03832600) 5183.R000.X/H000.X (Service ID: 03832700) 5184.R000.X/H000.X (Service ID: 03832800)
Credit	0.5 fine arts credit
Grade level	9-12
Description	First year in program, regardless of grade level. Dance Composition I-IV is a practical exploration of a variety of processes and elements that may be used in the study of creating dances. Students will create their own dance studies in response to a variety of assigned choreographic exercises. Topics will include elements such as space, time, shape, and dynamics, and processes such as abstraction, thematic development, and revision. Improvisation will be employed to initiate the exploration of concepts, but, ultimately, in most cases, the work will be set into a fixed, repeatable form.
Prerequisites	Before a student can advance to the next level Dance course, they must complete any previous level Dance course.

Course	**DANCE PERFORMANCE ENSEMBLE I-IV A**
Course number	5141.R000.Y (Service ID: 03833300) 5142.R000.Y (Service ID: 03833400) 5143.H000.Y (Service ID: 03833500) 5144.H000.Y (Service ID: 03833600)
Credit	1.0 fine arts credit
Grade level	9-12
Description	Dance Performance Ensemble I-IV is an intense interdisciplinary program that combines performance elements such as dance, music, costume, and theatrical design with performance opportunities for small dance ensembles.
Prerequisites	Before a student can advance to the next Level Dance Course, they must complete any previous level Dance course.

Course	**DANCE THEORY I-IV A**
Course number	5101.R000.X (Service ID: 03832900) 5102.R000.X (Service ID: 03833000) 5103.R000.X/H000.X (Service ID: 03833100) 5104.R000.X/H000.X (Service ID: 03833200)
Credit	0.5 fine arts credit
Grade level	9-12
Description	First year in program, regardless of grade level. Dance Theory I-IV orients students to the field of dance as an academic discipline, profession, and art form. This course supplies students with information and processes of inquiry to facilitate their own decision making as they proceed in the field of dance and promotes critical thinking skills that are the foundation for this course.
Prerequisites	Recommended: Dance I or Aerobic Dance I and II and instructor approval

Course	**WORLD DANCE FORMS I-IV DUAL LANGUAGE**
Course number	5171.R0DL.Y (Service ID: 03832100) 5172.R0DL.Y (Service ID: 03832200) 5173.H0DL.Y (Service ID: 03832300) 5174.H0DL.Y (Service ID: 03832400)
Grade level	9-12
Description	Students will develop a deep understanding and appreciation for the historical, linguistic, athletic, theatric, and performance skills associated with Ballet Folklórico. This course will open the door to our students' exploration of their various heritages, as well as further the development of a wide variety of dance skills that can transfer to other disciplines. Ballet Folklórico can broaden Hispanic and non-Hispanic's students' perspectives and worldview, opening their minds to the full depth of Mexican culture. This course is part of the dual language program and is taught primarily in Spanish.
Prerequisites	Participation in a Dual Language Program and/or Spanish proficiency.

Languages Other than English (LOTE)

Students who complete Level I of a language in grades seven and eight use these credits to satisfy one unit of the LOTE high school graduation requirement. Levels II, III and IV may also be completed in middle school in exceptional circumstances. Spanish for Spanish Speakers courses should be offered at campuses which have significant numbers of native or advanced speakers of that language.

Languages Other than English, Level I **A D**

Description: Level I is the first course of sequential world language instruction designed to develop fundamental language across the interpretive, interpersonal and presentational modes of communication. Culture and civilization of the target language is integrated into all aspects of the course. Students will develop confidence in using the target language to describe familiar topics such as family, hobbies and school life. Students will also use the language to connect with other content areas, make comparisons with their own language and culture, and participate in communities beyond the classroom. Students earn 1.0 high school credit which will satisfy the first year of Languages Other Than English (LOTE) requirement in AISD's Foundation High School Program. Students who complete only one part will earn 0.5 credit that will count toward state elective graduation credit, appear on the transcript and will be included in the high school grade point average. By the end of the first year of world language study, students should be able to understand and communicate in the target language at a novice mid to novice high proficiency level set by ACTFL. Novice mid speakers are able to use memorized phrases and lists of words. Novice high speakers are able to use simple sentences and ask/answer questions about familiar topics.

Credit: 1.0 (LOTE)
Grades: 9-12
Prerequisites: None

Language	Course number	Service ID
ARABIC	2001.R000.Y	03110100
ASL	2018.R000.Y	03980100
CHINESE	2017.R000.Y	03490100
FRENCH	2012.R000.Y	03410100
GERMAN	2013.R000.Y	03420100
ITALIAN	2011.R000.Y	03400100
JAPANESE	2010.R000.Y	03120100
KOREAN	2115.R000.Y	11402900
LATIN	2014.R000.Y	03430100
SPANISH	2015.R000.Y	03440100
VIETNAMESE	2111.R000.Y	03510100

Languages Other than English, Level II **A D**

Description: Level II is a continuation of the development of the three modes of communication. Students will continue to learn vocabulary and grammatical structures on familiar topics of interest necessary to communicate in everyday, realistic situations. Students will also expand their knowledge and appreciation of the culture and civilization of the target language. By the end of the second year of world language study, students should be able to understand and communicate in the target language at a novice high intermediate low proficiency level set by ACTFL. Novice high speakers are able to communicate using simple sentences and ask/answer questions about familiar topics. Intermediate low speakers are able to begin creating original sentences with language.

Credit: 1.0 (LOTE)
Grades: 9-12
Prerequisites: Level I of LOTE or appropriate Credit by Exam (CBE) or district-approved placement test or ability to show proficiency of the lower level.

Language	Course Number	Service ID
ARABIC II	2002.R000.Y	03110200
ASL II	2028.R000.Y	03980200
CHINESE II	2027.R000.Y	03490200
FRENCH II	2022.R000.Y	03410200
GERMAN II	2023.R000.Y	03420200
ITALIAN II	2021.R000.Y	03400200
JAPANESE II	2020.R000.Y	03120200
KOREAN II	2125.R000.Y	11403000
LATIN II	2024.R000.Y	03430200
SPANISH II	2025.R000.Y	03440200
SPANISH II for Spanish Speakers	2625.R000.Y	03440220
SPANISH II forSpanish Speakers, *Dual Language*	2625.R0DL.Y	03440220
VIETNAMESE II	2121.R000.Y	03510200
OTHER FOREIGN LANGUAGES II	2126.R000.Y	03993300

Advanced Languages Other than English, Level III **A D** *and* Languages Other than English, Level III **A D**

Description: Level III continues to strengthen proficiency in the three modes of communication. Students will continue to learn vocabulary and advanced grammatical structures on familiar topics of interest necessary to communicate in everyday realistic situations. Students will expand their knowledge and appreciation of the culture and civilization of the target language through reading, listening and viewing of authentic materials. Extensive and perhaps exclusive use of the target language by both teacher and student is a key factor at this third stage of language learning. Students of classical languages use the skills of listening, speaking, and writing to reinforce

the skill of reading. By the end of Level III, should be able to understand and communicate in the target language at an intermediate mid-level. Intermediate mid speakers can easily combine original sentences into complete thoughts and ideas.

Level III courses of LOTE are designated as Advanced courses and are thus weighted due to greater student expectations in terms of engagement, rigor and outcomes using associated instructional strategies and practices that lead to college and career readiness.

The goal of American Sign Language (ASL) is to develop communicative competence in ASL for hearing students who have frequent contact with the deaf community and who wish to interact with them.

Credit: 1.0 (LOTE)
Grades: 9-12
Prerequisites: Level II of LOTE or appropriate Credit by Exam (CBE), or district-approved placement test, or ability to show proficiency of the lower level.

Language	Course Number	Service ID
ARABIC III	2003.H000.Y	03110300
ASL III	2038.H000.Y	03980300
CHINESE III	2037.H000.Y	03490300
FRENCH III	2032.H000.Y	03410300
GERMAN III	2033.H000.Y	03420300
ITALIAN III	2031.H000.Y	03400300
JAPANESE III	2030.H000.Y	03120300
KOREAN III	2135.H000.Y	11403100
LATIN III	2034.H000.Y	03430300
SPANISH III	2035.H000.Y	03440300
SPANISH III for Spanish Speakers	2635.H000.Y	03440330
SPANISH for Spanish Speakers, *Dual Language*	2635.H0DL.Y	03440330

AP Language and Culture IV **A** *and* Languages Other than English, Level IV **A**

Description: Level IV of Languages Other than English develops even higher-level student proficiency via world language instruction of which the overarching goal is communication. Students will engage in conversations, present information to an audience, and interpret culturally authentic materials in the target language. Students will also use the language to connect with other content areas, to make comparisons with their own language and culture, and to participate in communities beyond the classroom. Whether weighted or AP, students should perform at intermediate-mid to intermediate-high proficiency by the end of the year, with the exception of other LOTEs that follow different proficiency targets.

The Advanced Placement Program® has enabled millions of students to take college-level courses and earn college credit, advanced placement, or both, while still in high school. AP Exams are given each year in May. Students who earn a qualifying score on an AP Exam are typically eligible, in college, to receive credit, placement into advanced courses, or both. Every aspect of AP course and exam development is the result of collaboration between AP teachers and college faculty. They work together to develop AP courses and exams, set scoring standards, and score the exams. College faculty review every AP teacher's course syllabus.

The AP Language & Culture courses emphasize communication (understanding and being understood by others) by applying interpretive, interpersonal, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Language & Culture courses strive not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught exclusively in the target language. At this level, it is crucial that students are exposed to a wide array of authentic materials such as audio and video resources as well as written and literary texts.

The AP Language & Cultures course engage students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

Whether weighted or AP, students should perform at intermediate-high to advanced-low proficiency by the end of the year, with the exception of other LOTEs that follow different proficiency targets.

In May, students may opt to take the College Board Advanced Placement examination in their target language. These exams provide a measure of a student's ability to communicate in the target language via tasks that allow them to demonstrate their skills in the interpretive, interpersonal and presentational modes of communication. The exam also assesses a student's familiarity with the target culture. An incentive for taking the exam is the potential for receiving a sufficient score that will grant college credit hours. In general, these exams are taken at the end of the level IV course, although some students may wait until the fifth-year of language study to take the examination.

Credit: 1.0 (LOTE)
Grades: 9-12
Prerequisites: Level III of LOTE or appropriate Credit by Exam (CBE) or district-approved placement test.

Language	Course Number	Service ID
ARABIC IV	2004.H000.Y	03110400
ASL IV	2048.H000.Y	03980400
AP CHINESE IV L&C	2667.P000.Y	A3490400
AP FRENCH IV L&C	2642.P000.Y	A3410100
AP GERMAN IV L&C	2643.P000.Y	A3420100
ITALIAN IV	2041.H000.Y	03400400
AP JAPANESE IV L&C	2640.P000.Y	A3120400
KOREAN IV	2145.H000.Y	11403200
AP LATIN IV L&C	2644.P000.Y	A3430100
AP SPANISH IV L&C	2545.P000.Y	A3440100
SPANISH IV	2045.H000.Y	03440400
SSS SPANISH IV	2645.H000.Y	03440440
SPANISH IV DUAL LANGUAGE	2645.H0DL.Y	03440440

Languages Other than English, Level V **A**

Note: All Level V LOTE courses receive weighted credit.
Description: Level V of Languages Other than English continues to deliver world language instruction of which the overarching goal is communication. Students will engage in conversations, present information to an audience, and interpret culturally authentic materials in the target language. Students will also use the language to connect with other content areas, to make comparisons with their own language and culture, and to participate in communities beyond the classroom. Whether weighted or AP, students should perform at intermediate-high to advanced-mid proficiency by the end of the year, with the exception of other LOTEs that follow different proficiency targets. Exclusive use of the target language by both teacher and student is expected at this fifth stage of language learning. Students study and investigate real world topics of interest and delve even deeper into the analysis of the products, practices and perspectives of the target culture(s) to make meaningful connections with their own culture. Students are exposed to a wide array of authentic materials such as audio and video resources as well as written and contemporary texts. Although Spanish is the only language with a College Board Advanced Placement exam aligned with Level V course content, students may wait and choose to take the appropriate Level IV AP exam at the end of the Level V course. The exam also assesses a student's familiarity with the target culture(s) that are addressed in the literary selections. An incentive for taking the exam is the potential for receiving a sufficient score that will grant college credit hours.

Credit: 1.0 (LOTE)
Grades: 9-12
Prerequisites: Level IV of LOTE or appropriate district-approved placement test.

Language	**Course Number**	**Service ID**
CHINESE V	2067.H000.Y	03490500
FRENCH V	2052.H000.Y	03410500
GERMAN V	2053.H000.Y	03420500
JAPANESE V	2050.H000.Y	03120500
LATIN V	2054.H000.Y	03430500
SPANISH V	2055.H000.Y	03440500
SPANISH V DUAL LANGUAGE	2055.H0DL.Y	03440500

Additional LOTE Courses

Course	**AP SPANISH V LITERATURE AND CULTURE A**
Course number	2655.P000.Y
Service ID	A3440200
Credit	1.0 LOTE credit
Grade level	9-12
Description	This course prepares students for the College Board AP Spanish Literature and Culture examination which consists of free-response questions on listening comprehension, reading comprehension and literary analysis, as well as free-response essays on required authors, and poetry analysis.
Prerequisites	AP Spanish Language and Culture IV or appropriate district-approved placement test.

Course	**AP SPANISH LITERATURE AND CULTURE V A DUAL LANGUAGE**
Course number	2655.P0DL.Y
Service ID	A3440200
Credit	1.0 LOTE credit
Grade level	9-12
Description	This course prepares students for the College Board AP Spanish Literature and Culture examination which consists of free-response questions on listening comprehension, reading comprehension and literary analysis, as well as free-response essays on required authors, and poetry analysis. This Dual Language course code is for high school Dual Language students who choose to take AP Literature and Culture as their Spanish Language Dual Language course.
Prerequisites	AP Spanish Language and Culture IV or appropriate district-approved placement test. Participation in a Dual Language Program and/or Spanish proficiency.

Course	**ADVANCED LANGUAGE for CAREER APPLICATIONS (DUAL LANGUAGE)**
Course number	2117.H0DL.Y
Service ID	11403700
Credit	1.0 elective credit
Grade level	11-12
Description	In a hybrid of classroom interactions and practicum-based opportunities, students will continue to develop interpersonal, interpretive, and presentational communication skills using the target language and cultural understanding in the context of professional, business, and industry settings. This course is designed for 11th or 12th grade students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Successful completion of Level III, achieving an Intermediate Low to Intermediate Mid proficiency level, or demonstrated equivalent proficiency as determined by the district. Participation in a Dual Language Program and/or Spanish proficiency.

Courses	**AMERICAN SIGN LANGUAGE, Advanced Independent Study, 1st – 3rd time taken A**
Course number	XXXX.H000.Y 1ST time taken XXXX.H000.Y 2nd time taken XXXX.H000.Y 3rd time taken
Service ID	1st time taken: 03980910 2nd time taken: 03980920 3rd time taken: 03980930
Credit	1.0 LOTE credit
Grade level	9-12
Description	Using age-appropriate activities, students in ASL Advanced Independent Study expand their ability to perform intermediate-to-advanced tasks and develop their ability to perform the tasks of the advanced language learner. The advanced language learner, when dealing with everyday topics, should understand ASL phrases receptively and respond expressively with learned material at an intermediate-to-advanced proficiency level; sign learned words, concepts, phrases, and sentences at an advanced proficiency level; apply acquired knowledge of Deaf cultural norms to the development of extensive communication skills; and apply knowledge of the components of ASL to increase accuracy of expression. Students use expressive and receptive skills for comprehension. This course can be taken up to three times for state credit.
Prerequisites	ASL IV or appropriate district-approved placement test

Courses	**ADVANCED SEMINAR IN LANGUAGES OTHERN THEN ENGLISH 1st – 3rd time taken**
Course info	2115.H0DL.Y - Spanish Latin American Studies (Dual Language) 2215.H0DL.Y – Cine Las Americas (Dual Language) XXXX.H000.Y 3rd time taken
Grade level	9-12
Service ID	1st time taken: 03440910 - SPANISH LATIN AMERICAN STUDIES 2nd time taken: 03440920 - CINE LAS AMERICAS 3rd time taken: 03440930
Grade level	9-12
Description	This is a post AP seminar course where students will focus on a specialized area of study such as the work of a particular author, genre, or topic. The student will speak, write, read, and listen, as appropriate, in the target language for a variety of audiences and purposes. The student is expected to plan, draft, and complete written compositions as well as oral presentations on a regular basis and carefully examine his or her papers and presentations for clarity, engaging language, and the correct use of the conventions and mechanics of the target language as applicable. The student may take this course with different course content for a maximum of three credits. The course shall be conducted in the target language. **SPANISH LATIN AMERICAN STUDIES, 2115.H0DL.Y (Dual Language)** This course offers a general summary of the complex and diverse region of Latin America. The curriculum follows a roughly chronological approach, from the Pre-Colombian ways of living to the encounters between Native and Europeans continuing through the contemporary era. Discussions and activities will consider themes such as institutional racism and the legacy of colonialism. The onset of modern movements based on racial, ethnic, political, religious and economic strife including those that lead to internal and international migration. The goals of this course are to educate students of the Latinx experience, including topics related to celebrating identity, language, and culture, to explore how current social practices and inequities came into being, and to empower students as agents of change for a more equitable society. This course is offered only in Spanish. **CINE LAS AMERICAS, 2215.H0DL.Y (Dual Language)** This high school dual language course is taught in Spanish and explores the history, cultural evolution, and representation of people in Latin American motion pictures. This course will be focusing on some canonical film movements and genres of Latin-America, as well as independent movements of minorities and women within the region. Studying cinematic history offers students unique opportunities to learn about and explore the cultural, political, sociological, philosophical, economic, and linguistic developments within Latin America over the past one hundred or so years. Students will develop a deep understanding and appreciation of the region's scenic landscapes, both urban and rural, and its diverse cultures and people.
Prerequisites	A minimum performance level of intermediate-mid to advanced-high as determined by the recommending teacher. Participation in a Dual Language Program and/or Spanish proficiency.

Course	**SPECIAL TOPICS IN LANGAUGE AND CULTURE**
Course number	2000.R000.Y
Service ID	11410000
Credit	1.0 elective credit
Grade level	9-12
Description	The Special Topics in Language and Culture course is designed as a substitution course available for students to use toward their Level II credit for LOTE. However, the decision for this course to count toward Level II credit can be made only through the process as described in the district regulation. Counselors will have information on how to evoke this option. Note that this is a non-sequential LOTE course and thus cannot be considered as part of the coherent sequence of language courses toward an endorsement. Students in Special Topics will have ample opportunities to engage with the language using the three modes of communication while also exploring the five major strands of the standards for language learning: communication, cultures, connections, comparisons and communities.
Prerequisites	Committee approval for use of this substitution course is required.

Course	**DISCOVERING LANGUAGES AND CULTURES**
Course info	2008.R000.X (0.5 elective credits) 2008.R000.Y (1.0 elective credits)
Service ID	03997000
Grade level	9-12
Description	This is a non-sequential elective course where students explore a variety of aspects of one or more languages and cultures and develop basic language learning and communicative skills using age-level appropriate and culturally authentic resources. In such discovery courses, students will also develop effective language study skills. Although languages may vary by campus, more attention is given to those languages currently taught in AISD schools. In some cases, special discovery courses in Spanish may be offered for students to explore the multiple regions where Spanish is spoken. NOTE: This is a new LOTE course intended to replace the former course titled Exploratory Languages.
Prerequisites	None

Health Education

Course	**HEALTH EDUCATION**
Course number	6000.R000.X
Service ID	03810100
Credit	0.5 health credit
Grade level	9-12
Description	This course can be paired with Advanced Health 6001.R000.X (03810200) to create a yearlong course. This course addresses health concepts described in the Texas Essential Knowledge and Skills for Health. It includes comprehensive instruction in consumer health; diseases; environmental health and safety; growth and development; health and fitness for daily living; nutrition; use and abuse of tobacco, alcohol and drugs; and sexuality education for family living and first aid and safety.
Prerequisites	None

Course	**PERSONAL HEALTH/HYGIENE I-VII**
Course info	6000.W000.X (0.5 health credit)
Service ID	03810100
Grade level	9-12
Description	The course will relate individual health and hygiene practices to issues of wellness, disease prevention, interpersonal skill enhancement, and the obtainment and maintenance of employment. Students will examine the concepts of human growth and development, diet, exercise, emergency and first aid, and daily hygiene practices as each is related to the healthy lifestyle. Students will define the possible consequences of failing to adhere to these health and hygiene practices. Students may take this course with different content.
Prerequisites	Placement by ARD; students must have an IEP goal for any locally developed special education course.

Course	**PRINCIPLES OF HEALTH SCIENCE P S**
Course number	8213.R(Y)
Service ID	13020200
Credit	1.0 elective credit (0.5 health credit)
Grade level	9-10
Description	Principles of Health Science is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.
Prerequisites	None

Physical Education

General Physical Education Courses

- One (1.0) credit of physical education is required to meet state graduation requirements.
- General Physical Education courses must only be taken once.
- Students should only be enrolled in one PE course per semester (ROTC is the exception).
- Additional PE credits may be taken for state elective credit. A maximum of four PE credits may be earned through any combination of general PE or PE substitutions
- Cheerleading, Drill Team, Marching Band, Athletics, ROTC, Off-Campus PE substitutions.
- All students enrolled in a PE course or PE substitution must be assessed on their physical fitness based on their physical education classification using the FITNESSGRAM Assessment.
- Students must be approved by the ARD committee before being placed in an Adapted PE course.
- Students approved for Adapted PE may take additional PE courses.
- Students may be exempt from physical activity (EHAA Legal), but not their physical education class.
- Documentation from a member of the healing arts licensed to practice in Texas must be provided to exempt a student from various types of physical activities. Forms may be obtained from the district physical education office.

Course	OUTDOOR ADVENTURE EDUCATION
Course number	6003.R000.Y
Service ID	PES00053
Credit	1.0 physical education credit
Grade level	9-12
Description	The Outdoor Adventure Course provides opportunities for students to develop competency in five or more life-long recreational and outdoor activities such as backpacking, camping, camp cooking, navigation, paddle sports, water safety education, angler education, CPR, archery, slingshot, outdoor survival and safety, and challenge course or team building. Students in the Outdoor Adventure Course will participate in activities that promote physical literacy, promote respect for and connection to nature and the environment, and promote opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.
Prerequisites	None

Course	LIFETIME FITNESS AND WELLNESS
Course number	6002.R000.Y
Service ID	PES00051
Credit	1.0 physical education credit
Grade level	9-12
Description	The Lifetime Fitness and Wellness course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness. Students in Lifetime Fitness and Wellness will apply fitness principles that encompass personal fitness programs, nutrition, technology, and environmental awareness.
Prerequisites	None

Course	LIFETIME SPORT AND FITNESS
Course number	6005.R000.Y
Service ID	PES00056
Credit	1.0 physical education credit
Grade level	9-12
Description	The Lifetime Sport and Fitness course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students will experience opportunities that promote physical literacy and lifetime wellness. Students in Lifetime Sport and Fitness will participate in a minimum of one activity from each of the following five categories during the course; target games, striking and fielding games, fitness activities, rhythmic activities, and innovative games and activities with international significance.
Prerequisites	None

Course	LIFETIME FITNESS AND DANCE
Course number	6002.R100.Y
Service ID	**PES00051
Credit	1.0 physical education credit
Grade level	9-12
Description	Students in Lifetime Fitness & Dance are exposed to a variety of exercises that support their dancing skills and promote their health and fitness. Students will learn various dances as well as participate in circuit training, Pilates, basic yoga and walk/jog activities. A major expectation of this course is for the student to design a personal fitness program to support their dancing skills. **This class uses the same PEIMS number as Lifetime Fitness & Wellness.
Prerequisites	None

Physical Education Substitutions

Athletics

Description: Physical Education substitutions allow a student to use approved physical activities to meet the state physical education graduation requirement. Students must earn 1.0 Physical Education graduation credit by participating in various physical education substitutions.
These courses may be taken multiple times provided that a different TEA number is used in sequence each time. No more than 4.0 PE substitution credits may be earned through any combination of allowable substitutions for state credit. Students may earn additional elective credits through Physical Education based on their graduation plan.

Credits: 0.5/1.0 (Physical Education)
Grades: 9-12
Prerequisites: Approved by the athletic coach

Grade 9 Numbers (Service ID PES00000)

Athletics Course Subject	Course Numbers
BASEBALL	6006.R100.Y
BASKETBALL	6006.R2B0.Y (Boys), 6006.R2G0.Y
CROSS COUNTRY (fall) TRACK/FIELD (spring)	6006.R3B0.Y (Boys), 6006.R3G0.Y (Girls)
FOOTBALL	6006.R600.Y
GOLF	6006.R4B0.Y (Boys), 6006.R4G0.Y (Girls)
SOCCER	6006.R5B0.Y (Boys), 6006.R5G0.Y (Girls)
SOFTBALL	6006.R800.Y
SWIMMING	6006.R7B0.Y (Boys), 6006.R7G0.Y (Girls)
TEAM TENNIS (fall) INDIVIDUAL TENNIS (spring)	6006.R9B0.Y (Boys), 6006.R9G0.Y (Girls)
VOLLEYBALL	6006.R000.Y
WATER POLO (fall)	6006.RB00.X (Boys), 6006.RG00.X (Girls)
WRESTLING	6006.R0B0.Y (Boys), 6006.R0G0.Y (Girls)

Grade 10 Numbers (Service ID PES00001)

Athletics Course Subject	Course Number
BASEBALL	6007.R100.Y
BASKETBALL	6007.R2B0.Y (Boys), 6007.R2G0.Y (Girls)
CROSS COUNTRY (fall) TRACK/FIELD (spring)	6007.R3B0.Y (Boys), 6007.R3G0.Y (Girls)
FOOTBALL	6007.R600.Y
GOLF	6007.R4B0.Y (Boys), 6007.R4G0.Y (Girls)
SOCCER	6007.R5B0.Y (Boys), 6007.R5G0.Y (Girls)
SOFTBALL	6007.R800.Y
SWIMMING	6007.R7B0.Y (Boys), 6007.R7G0.Y (Girls)
TEAM TENNIS (fall) INDIVIDUAL TENNIS (spring)	6007.R9B0.Y (Boys), 6007.R9G0.Y (Girls)
VOLLEYBALL	6007.R000.Y
WATER POLO (fall)	6007.RB00.X (Boys), 6007.RG00.X (Girls)
WRESTLING	6007.R0B0.Y (Boys), 6007.R0G0.Y (Girls)

Grade 11 Numbers (Service ID PES00002)

Athletics Course Subject	Course Number
BASEBALL	6008.R100.Y
BASKETBALL	6008.R2B0.Y (Boys), 6008.R2G0.Y (Girls)
CROSS COUNTRY (fall) TRACK/FIELD (spring)	6008.R3B0.Y (Boys), 6008.R3G0.Y (Girls)
FOOTBALL	6008.R600.Y
GOLF	6008.R4B0.Y (Boys), 6008.R4G0.Y (Girls)
SOCCER	6008.R5B0.Y (Boys)6008.R5G0.Y (Girls)
SOFTBALL	6008.R800.Y
SWIMMING	6008.R7B0.Y (Boys), 6008.R7G0.Y (Girls)
TEAM TENNIS (fall) INDIVIDUAL TENNIS (spring)	6008.R9B0.Y (Boys), 6008.R9G0.Y (Girls)
VOLLEYBALL	6008.R000.Y
WATER POLO (fall)	6008.RB00.X (Boys), 6008.RG00.X (Girls)
WRESTLING	6008.R0B0.Y (Boys), 6008.R0G0.Y (Girls)

Grade 12 Numbers (Service ID PES00003)

Athletics Course Subject	Course Number
BASEBALL	6009.R100.Y
BASKETBALL	6009.R2B0.Y (Boys), 6009.R2G0.Y (Girls)
CROSS COUNTRY (fall) TRACK/FIELD (spring)	6009.R3B0.Y (Boys), 6009.R3G0.Y (Girls)
FOOTBALL	6009.R600.Y
GOLF	6009.R4B0.Y (Boys), 6009.R4G0.Y (Girls)
SOCCER	6009.R5B0.Y (Boys), 6009.R5G0.Y (Girls)
SOFTBALL	6009.R800.Y
SWIMMING	6009.R7B0.Y (Boys), 6009.R7G0.Y (Girls)
TEAM TENNIS (fall) INDIVIDUAL TENNIS (spring)	6009.R9B0.Y (Boys), 6009.R9G0.Y (Girls)
VOLLEYBALL	6009.R000.Y
WATER POLO (Fall)	6009.RB00.X (Boys), 6009.RG00.X (Girls)
WRESTLING	6009.R0B0.Y (Boys), 6009.R0G0.Y (Girls)

Off-campus P.E. Program

The Off-Campus Physical Education Program is an athletic/training program that students may participate in by using a commercial or private agency that has been approved by the District Physical Education Office. These courses may be used to substitute a 0.5 unit of Physical Education credit per semester. A student may earn up to 4.0 credits towards graduation requirement for Physical Education if he/she is approved for Category 1. A student in Category II may earn up to 1.0 credit. Examples of approved activities are: swimming, diving, dancing, rowing, rock climbing, fencing, equestrian riding, gymnastics, martial arts, and club team such as Lacrosse and Ultimate Frisbee. Students will earn a numerical grade, which is also included in his/her grade point average.

The Off-Campus Physical Education Program packets may be obtained through the counselor's office or on the AISD website. Students may only choose agencies that are listed on the "AUSTIN ISD Approved Agency" list on the AISD website. Completed packets must be received by the P.E. Department at AISD Headquarters on or before the first day of each semester.

The Off-Campus Physical Education Program course must be scheduled through your counselor and will be noted on the student's report card. Students must complete written assignments, given by the Agency, for verification of learned Texas Essential Knowledge and Skills for Physical Education. A numerical grade will be issued from the written assignments; it will then be factored into the student's grade. AISD is not responsible for providing transportation to the approved agencies.

Course	**Category 1: Athletic/Training Program, National or Professional Ranking or Olympic Competition**
Course number	1st time taken: 6011.R110.X (Service ID PES00008) 2nd time taken: 6011.R120.X (Service ID PES00008) 3rd time taken: 6012.R130.X (Service ID PES00009) 4th time taken: 6012.R140.X (Service ID PES00009) 5th time taken: 6013.R150.X (Service ID PES00010) 6th time taken: 6013.R160.X (Service ID PES00010) 7th time taken: 6014.R170.X (Service ID PES00011) 8th time taken: 6014.R180.X (Service ID PES00011)
Credit	0.5 physical education credit
Grade level	9-12
Description	Any athletic/training program that is of higher level than the district can provide. The student must participate in the substitute activity that is in congruence with the Physical Education TEKS as closely as possible, if not above and beyond the rigor of the standards (TAC) Chapter 74. The student must train for 15 or more hours per week during the school semester. The student is also eligible to miss one school period. The student must not miss any class other than a scheduled physical education class (usually first or last period of the day). The student must be training for some type of state, national, or professional ranking, or for Olympic competition.
Prerequisites	Approved application by district physical education coordinator and campus guidance counselor

Course	**Category 2: A Private or Commercially-sponsored Physical Activity or Training Program**
Course number	6011.R210.X (1st time taken) 6011.R220.X (2nd time taken) 6011.R230.X (3rd time taken)
Service ID	PES00008
Credit	0.5 physical education credit
Grade level	9-12
Description	The student must participate in the substitute activity that is in congruence with the Physical Education TEKS as closely as possible, if not above and beyond the rigor of the standards (TAC) Chapter 74. The student is required to participate at least 5 hours per week during the school semester. Students certified to participate at this level will not be dismissed from any part of the regular school day.
Prerequisites	Approved application by district physical education coordinator

Activity-based Courses for Physical Education Substitutions

A student taking Cheerleading, Marching Band, or Drill Team may earn a combination of up to 1.0 state PE credit. Additional local credits may be earned (local credit does not count towards state graduation requirement).

Course	**MARCHING BAND / COLOR GUARD (FALL ONLY)**
Course number	6015.R00A.X 1st time taken 6015.R00B.X 2nd time taken 6015.R00C.X 3rd time taken 6015.R00D.X 4th time taken
	0.5 physical education credit
Grade level	9-12
Description	n/a
Prerequisites	Approved by marching band director

Course	**CHEERLEADING**
Course info	6016.R000.Y (1.0 physical education credit)
Grade level	9-12
Description	Students may earn PE substitution credit in both the fall and spring semesters.
Prerequisites	Approved by campus cheerleading sponsor

Course	**DRILL TEAM**
Course info	6017.R000.Y (1.0 physical education credit)
Grade level	9-12
Description	Students may earn PE substitution credit in both the fall and spring semesters.
Prerequisites	Approved by drill team sponsor

Course	JROTC P
Course info	6010.R000.Y (1.0 physical education credit) 9001.R000.Y (1.0 elective credit)
Grade level	9-12
Description	Note: 6010 allows a student to earn PE credit, while 9001 allows a student to earn Military Science credit. 9001 is to be used only if a student has already satisfied or is currently satisfying the physical education requirement with a different course or PE substitution. 9001 may not be used to indicate a PE credit, to satisfy a PE requirement, or in conjunction with the Physical Education course. A student may earn no more than 1.0 credit toward their Physical Education requirements.
Prerequisites	None

Innovative Courses and Office Aide

AVID

Advancement Via Individual Determination (AVID) is a series of academic, regularly scheduled elective classes that use writing as a tool for learning, inquiry, and collaboration. The three main components of the AVID elective course are academic instruction (AVID curriculum), tutorial support, and motivational activities. The mission of the AVID program is to ensure that all students, especially students in the middle capable of completing a college-preparatory path, have a chance to succeed -and to increase enrollment of these students in four-year colleges and universities. This course cannot be taken as pass/fail.

Course	AVID I-IV
Course number	9610.R000.Y (Service ID: N1290001) 9620.R000.Y (Service ID: N1290002) 9630.R000.Y (Service ID: N1290030) 9640.R000.Y (Service ID: N1290033)
Credit	1.0 elective credit
Grade level	9-12
Description	The AVID course is an elective class for students who want to be college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. The AVID class addresses key elements in college preparation: academic survival skills, college entry skills, tutorials, motivational activities, and career and college exploration. Additionally, students will improve their oral communication skills through presentation and Socratic seminar, participate in writing to learn activities, including note taking, learning logs, and essay writing, prepare for college entrance examinations, including the SAT and ACT.
Prerequisites	GPA between 2.0 and 3.0; average or above-average standardized test scores; student interview; high motivation; positive attitude; parent contract; application and acceptance into the AVID Program; simultaneous enrollment in at least one of the following: AP, dual credit, or OnRamps.

Course	AVID I-IV DUAL LANGUAGE
Course number	9610.R0DL.Y (Service ID: N1290001) 9620.R0DL.Y (Service ID: N1290002) 9630.R0DL.Y (Service ID: N1290030) 9640.R0DL.Y (Service ID: N1290033)
Credit	1.0 elective credit
Grade level	9-12
Description	The AVID course is an elective class for students who want to be college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. The AVID class addresses key elements in college preparation: academic survival skills, college entry skills, tutorials, motivational activities, and career and college exploration. Additionally, students will improve their oral communication skills through presentation and Socratic seminar, participate in writing to learn activities, including note taking, learning logs, and essay writing, prepare for college entrance examinations, including the SAT and ACT. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	GPA between 2.0 and 3.0; average or above-average standardized test scores; student interview; high motivation; positive attitude; parent contract; application and acceptance into the AVID Program; simultaneous enrollment in at least one of the following: AP, dual credit, or OnRamps. Participation in a Dual Language Program and/or Spanish proficiency.

Course	COLLEGE TRANSITION
Course number	9500.R000.Y
Service ID	N1290050
Credit	1.0 elective credit
Grade level	9-12
Description	College Transition is a high school course designed to equip students with the knowledge, skills and abilities necessary to be active and successful learners both in high school and in college.
Prerequisites	None

Course	G/T INDEPENDENT STUDY MENTORSHIP I–IV
Course number	9311.H000.Y (Service ID: N1290309) 9321. H000.Y (Service ID: N1290313) 9331. H000.Y (Service ID: N1290317) 9341.H000.Y (Service ID: N1290318)
Credit	1.0 elective credit
Grade level	9-12
Description	This course, based on the Exit Level Texas Performance Standards Project (TPSP) for gifted/talented (G/T) students, offers a non-traditional learning experience to those students who have the ability to create innovative products or performances.
Prerequisites	None

Course	LINEAR ALGEBRA
Course number	3115.H000.X
Service ID	N1110021
Credit	0.5 elective credit
Grade level	9-12
Description	Students are introduced to linear algebra, a subject that has widespread applications in other areas of mathematics such as probability theory, multivariable calculus, differential equations, in the physical and social sciences, and engineering.
Prerequisites	None

Course	METHODOLOGY FOR ACADEMIC AND PERSONAL SUCCESS (MAPS)
Course number	9006.R000.Y
Service ID	N1130021
Credit	1.0 elective credit
Grade level	9-12
Description	The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world to establish both immediate and long-range personal goals.
Prerequisites	None

Course	MULTIVARIABLE CALCULUS
Course number	3117.H000.X/H000.Y
Service ID	N1110018
Credit	For the .X course, 0.5 elective credit; for the .Y course, 1.0 elective credit
Grade level	9-12
Description	Multivariable Calculus takes the concepts learned in the single variable calculus course and extends them to multiple dimensions.
Prerequisites	Recommended: Completed AP Calculus BC

Course	NUMBER THEORY
Course info	3116.H000.X
Service ID	N1110025
Credit	0.5 elective credit
Grade level	9-12
Description	The topics of study contribute to the student's enhanced understanding of historical developments, proofs and discoveries of mathematical numerical relationships.
Prerequisites	None

Course	PEACEKEEPERS PEER MEDIATION I-II
Course info	9314.R000.Y (Service ID: N1290024) 9324.R000.Y (Service ID: N1290025)
Credit	1.0 elective credit
Grade level	9-12
Description	This course is a curriculum-based, peer mediation program offering selected middle and high school students the opportunity to work in a field experience practicum where they become trained mediators for their peers on their own campus or on feeder school campuses.
Prerequisites	Campuses may use these courses only with the approval of the owning organization. All requirements of the owning organization must be met. Contact the owning organization directly for these requirements. PaxUnited, Cary Trout is the contact for this course.

Course	SPORTS MEDICINE I-III
Course info	9410.R000.Y (Service ID: N1150040) 9420.R000.Y (Service ID: N1150041) 9430.H000.Y (Service ID: N1150044)
Credit	1.0 elective credit
Grade level	10-12
Description	Sports Medicine I provides opportunity to study and apply components of sports medicine. Sports Medicine II involves outside-of-class time homework and time required working with athletes and athletic teams. Sports Medicine III will provide a logical progression for students that have advanced through the sports medicine courses. This course will provide opportunities for advanced students to research, investigate, prepare, and present article reviews, case studies, research projects, visual poster presentations, and multimedia presentations on instructor-approved topics.
Prerequisites	Campuses may use these courses only with the approval of the owning organization. All requirements of the owning organization must be met. Contact the owning organization directly for these requirements. Texas State Athletic Trainer's Association (TSATA) www.tsata.com is the contact for this course.

Course	STRATEGIC LEARNING IN MATHEMATICS
Course info	3110.R000.Y
Service ID	N1110030
Credit	1.0 elective credit
Grade level	9-11
Description	This course is intended to create strategic mathematical learners from underprepared mathematics students. The basic understandings will stimulate students to think about their approach to mathematical learning. These basic understandings will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts. Use of personal data and statistical analysis will establish relevance and aid in creation of individualized learning plans (ILPs).

Prerequisites	None

Course	**SPECIALIZED TOPICS IN SCIENCE**
Course info	3112.R000.Y/H000.Y – 1st time taken 3113.R000.Y/H000.Y – 2nd time taken 3114.R000.Y/H000.Y – 3rd time taken
Service ID	1st time taken - 3060300 2nd time taken - 3060310 3rd time taken - 3060320
Credit	1.0 elective credit
Grade level	10-12
Description	In Specialized Topics in Science, students have the opportunity to develop greater understanding of science content beyond what is taught in other Texas Essential Knowledge and Skills-based science courses while utilizing science and engineering practices. Students understand the value and role of curiosity in any discipline of science. The specialized topic of study may originate from local or global phenomena, student interest, or teacher specialties. The emphasis of study may vary such as theoretical science, citizen science, science investigations, science careers, specialized disciplines of science, designing innovations, the ethics of science, or history of science.
Prerequisites	None

Course	**LEADWORTHY (formally Teen Leadership)**
Course info	9316.R000.X
Service ID	N1290012
Credit	0.5 elective credit
Grade level	9-12
Description	Teen Leadership is a course in which students develop leadership, professional, and business skills. They learn to develop a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility.
Prerequisites	Campuses may use these courses only with the approval of the owning organization. All requirements of the owning organization must be met. Contact the owning organization directly for these requirements. The Flippen Group www.flippengroup.com is the contact for this course.

Course	**STUDENT LEADERSHIP**
Course info	9315.R000.Y 9315.R0DL.Y (Dual Language)
Service ID	N1290010
Credit	1.0 elective credit
Grade level	9-12
Description	This course provides an opportunity to study, practice, and develop group and individual leadership and organizational skills. These skills include the structure of leadership, organization and managerial skills, citizenship, goal setting, group processes, and communication. Dual Language - This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.
Prerequisites	Campuses may use these courses only with the approval of the owning organization. All requirements of the owning organization must be met. Contact the owning organization directly for these requirements. Texas Association of Secondary School Principals (TASSP), Tom Leyden at tom@tassp.org www.tassp.org is the contact for this course. DUAL LANGUAGE – Participation in a Dual Language Program and/or Spanish proficiency.

Course	**OFFICE AIDE I**
Course info	9917.R000.X
Credit	0.5 local credit
Grade level	12
Description	Cannot be used as a CTE program sequence course. Students develop skills in arithmetic, grammar, vocabulary, and keyboarding as they relate to clerical office work. Includes an introduction to computing machines, duplication processing, filing and record storage, proper handling of telephone and written communications, the use of other office equipment and supplies, and the development of appropriate attitudes and human relations skills. Students work in local campus offices. This course does not count toward state graduation requirements.
Prerequisites	Touch System Data Entry, concurrent enrollment in BIM I.

Course	**OFFICE AIDE II**
Course info	9927.R000.X
Credit	0.5 local credit
Grade level	12
Description	Students develop skills in arithmetic, grammar, vocabulary, written and oral communication, typing and filing procedures as related to clerical office work. Continued emphasis on appropriate attitudes, human relations skills and proper office procedures. Students work in local campus offices. This course does not count toward state graduation requirements.
Prerequisites	Office Aide I. Cannot be used as a career/technology program sequence course.

Course	PATH-COLLEGE/CAREER PREP I-IV
Course info	9010.R000.Y (Service ID: N1290051) 9020.R000.Y (Service ID: N1290052) 9030.R000.Y (Service ID: N1290053) 9040.R000.Y (Service ID: N1290054)
Credit	1.0 elective credit
Grade level	9-12
Description	All students deserve academic and social support to help prepare them for the challenges they must face after high school graduation. The Path-College/Career Prep courses are the final stage of the multi-level College/Career Readiness System of Study (CCR-SOS) implemented district-wide that advances intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas.
Prerequisites	None

Course	AP SEMINAR
Course info	9201.P000.Y
Service ID	N1130026
Credit	1.0 elective credit
Grade level	9-12
Description	AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision to craft and communicate evidence-based arguments.
Prerequisites	None

Locally Developed Courses Serving Students with Disabilities

Course	OCCUPATIONAL PREPARATION I
Course info	9911.V000.Y/W000.Y
Credit	1.0 local credit
Grade level	9-12
Description	Occupational Preparation prepares students to enter the job market through a study of employment issues. The course also teaches the application and interview processes, identifying barriers to employment, individual attributes that enhance employability, ways to locate available jobs, using community services/resources to aid employment, and maintaining a successful job experience.
Prerequisites	Placement by ARD; students must have an IEP goal for any locally developed special education course.

Course	OCCUPATIONAL PREPARATION II
Course info	9921.V000.Y/W000.Y
Credit	1.0 local credit
Grade level	9-12
Description	Concepts that are introduced to students include: safety, understanding job responsibilities, time requirements management, relationships, task commitment, accepting feedback from an authority figure, leaving a job appropriately, organizational skills, performance evaluation, conduct, working with customers, and acceptance of job requirements. Job specific skills are introduced in the areas of newspaper skills, telephone, placement assistance, multiple tasks and priority task awareness. Students explore a variety of jobs and the activities that comprise the responsibilities and routines of employment.
Prerequisites	Placement by ARD; Occupational Prep. 1; students must have an IEP goal for any locally developed special education course.

Course	OCCUPATIONAL PREPARATION III – FOOD AND NUTRITION
Course info	9931.V000.Y/W000.Y
Credit	1.0 local credit
Grade level	9-12
Description	The content in this course includes nutrition as it relates to dietary functions through the family life cycle, special dietary needs, and nutrient sources. Safety, sanitation, and nutrition food preparation are addressed. It covers cultural influences of food patterns, management techniques, and careers in food and nutrition occupations.
Prerequisites	Placement by ARD committee. Students must have an IEP goal for any locally developed special education course.

Course	OCCUPATIONAL PREPARATION IV – CHILD DEVELOPMENT
Course info	9941.V000.Y/W000.Y
Credit	1.0 local credit
Grade level	9-12
Description	This course includes knowledge and skills related to child growth and development and the principles and procedures for promoting the physical, emotional, social, and intellectual development of young children, including those with special needs. Other topics include characteristics of quality childcare, career options related to the care and education of children, and the management of multiple community and family roles.
Prerequisites	Placement by ARD committee. Students must have an IEP goal for any locally developed special education course.

Course	VOCATIONAL EXPERIENCE I-IV
Course info	9910.V000.Y/W000.Y 9920.V000.Y/W000.Y 9930.V000.Y 9940.V000.Y
Credit	1.0 local credit
Grade level	9-12
Description	Vocational Experience is developed to assist students in making a smooth transition from academic pursuits to employment. Students will examine the relationship between what has been learned in the classroom and how these skills are applied on the job. Self-discipline is explored in the context of interpersonal skill development and self-awareness. Self-initiative, follow through, and best efforts are skills applied in the process of a positive work experience. Students are supported in reaching levels of independence in the work place.
Prerequisites	Placement by ARD; students must have an IEP goal for any locally developed special education course.

Course	BASIC STUDY SKILLS I-IV
Course info	9110.V000.X 9120.V000.X 9130.V000.X 9140.V000.X
Credit	0.5 local credit
Grade level	9-12
Description	Basic Study Skills is designed to assist students with strategies that will, when applied consistently, aid the students' successes in the classroom. Students will be introduced to skills associated with test taking techniques, analysis of key words, highlighting, note-taking, outlining, study tips, use of time, and ways to stage study session for optimal results. Organizational skills are accented with emphasis on practical ways to develop organized approaches to studying; completing assignments, addressing homework and facilitating increased self-responsibility for classroom activities. Students will use research to assess information and learn how their learning style impacts the acquisition of knowledge. The focus of this course is learning to apply these strategies in a systemic manner.
Prerequisites	Placement by ARD; students must have an IEP goal for any locally developed special education course.

Course	APPLIED STUDY SKILLS I-IV
Course info	9110.W000.X 9120.W000.X 9130.W000.X 9140.W000.X
Credit	0.5 local credit
Grade level	9-12
Description	The applied study skills course is designed to assist students with strategies that will aid the student's successes in classroom, community and/or work settings. Students will practice skills associated with on task behaviors, task completion, organization, time management, and self-responsibility. Consistent application of skills across settings will be reinforced.
Prerequisites	n/a

Course	COMMUNITY SKILLS I-VII
Course info	9401.W000.Y 9402.W000.Y 9403.W000.Y 9404.W000.Y 9405.W000.Y 9406.W000.Y 9407.W000.Y
Credit	1.0 local credit
Grade level	9-12
Description	The Community Skills course introduces the students to the interactive relationship between the student and the community. Involvement is examined through public service, voluntary organizations, and the availability of a variety of community activities in which the student may participate. The ability to communicate and access community businesses, services, and resources is developed through practical experiences and individual interpersonal communication skills. The community based instructional program will expose students to real world situations and experiences. Community based instruction will focus on transportation, directionality, local landmarks and other information related to awareness of the community. Awareness is developed for accessing emergency services through appropriate procedures, appropriate use of the telephone and the public services available locally.
Prerequisites	Placement by ARD; students must have an IEP goal for any locally developed special education course.

Course	LEISURE EDUCATION I
Course info	9913.W000.Y
Credit	0.5-1.0 local credit
Grade level	9-12
Description	This course introduces skills necessary to prepare the student to appropriately manage free time in a whole variety of school and community environments. Includes age-appropriate instruction in commercial games, arts and crafts, gardening, and nature/outdoor activities. The availability of recreational opportunities that use these skills in the community will be examined.
Prerequisites	Placement by ARD; students must have an IEP goal for any locally developed special education course.

Course	LEISURE EDUCATION II
Course info	9923.W000.Y
Credit	0.5-1.0 local credit
Grade level	9-12
Description	This course prepares the student to appropriately manage free time in a wide variety of school and community environments. Exposure to recreation/leisure activities and the healthy use of free time, including building friendships, will be the focus. This course includes instruction in recreational sports, dance, aerobic and fitness activities and community practice of these skills.
Prerequisites	Placement by ARD; students must have an IEP goal for any locally developed special education course.

Course	LEISURE AWARENESS
Course info	9916.W000.X
Credit	0.5-1.0 local credit
Grade level	10-12
Description	This course prepares the student to develop personal goals and plan appropriate leisure time activities in a wide variety of school and community environments. Students will develop awareness of leisure activities and leisure resources that are safe, healthy, and of interest to the individual student. Students will develop personal leisure goals by researching and identifying leisure products and activities that assist them in meeting their personal leisure goals. Students will develop a daily leisure time activity plan using available community resources and leisure products.
Prerequisites	Leisure Education I and II; placement by ARD; students must have an IEP goal for any locally developed special education course.

Course	LEISURE APPLICATIONS I-II
Course info	9914.W000.X 9924.W000.X
Credit	0.5 local credit
Grade level	11-12
Description	This course in leisure applications assists students to apply leisure skills and attain personal goals. Students will develop leisure goals and an activity calendar. They will apply recreation/leisure skills by planning and attending activities and events in the community. The student will monitor and reevaluate Recreation/Leisure goals as interests and needs change. Includes instruction in commercial games, dance, music, gardening, and arts and crafts.
Prerequisites	Leisure Awareness and placement by ARD; students must have an IEP goal for any locally developed special education course.

Career and Technical Education Course Descriptions

Career and Technical Education (CTE) programs offer a sequence of courses that provides students with coherent and rigorous content. CTE content is aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions.

Programs of Study contain course sequences that lead to endorsements. Programs of Study do not replace endorsements but adds additional support to ensure students have access to CTE programs that lead to in-demand, high-skills, and high-wage occupations.

Highlights of Programs of Study

- ✓ Include occupations that meet labor market criteria to include projected job growth, annual job openings, and the state median wage
- ✓ Ensure course sequences provide district and campus flexibility in program offerings
- ✓ Lead to postsecondary education and training opportunities
- ✓ Expand opportunities for students to engage in STEM related occupations

CTE Cluster Areas:

Agriculture, Food and Natural Resources
Architecture and Construction
Arts, Audio Visual Technology and Communications
Business, Marketing and Finance
Education and Training
Health Science
Hospitality and Tourism
Human Services
Information Technology
Law and Public Service
Manufacturing
Science, Technology, Engineering and Mathematics
Transportation, Distribution and Logistics

Other Career Courses:

Military Science Education

Students take the courses included in a program of study in a coherent sequence (introductory to intermediate to advanced) to maximize the effectiveness of the learning. Course sequences have been developed by each campus.

Career and Technical Education (CTE) courses are weighted if the teacher is approved to offer the course for college credit.

Endorsement Key

The following letters indicate when a specific course is included in a sequence of courses that may satisfy an Endorsement pathway. Please check course availability with your high school counselor.
S Science, Technology, Engineering & Mathematics (STEM)
B Business & Industry
P Public Services

A Arts & Humanities
D Dual Credit

Agriculture, Food, and Natural Resources Cluster

***Sample Course Sequence**

Year 1	Year 2	Year 3	Year 4
Principles of Ag, Food & Natural Resources	Equine Science ***or*** Livestock Production ***or*** Small Animal Management ***or*** Wildlife, Fisheries, & Ecology Management	Veterinary Medical Applications ***and*** Advanced Animal Science	Practicum in Ag, Food & Natural Resources

***Sample Course Sequence**

Year 1	Year 2	Year 3	Year 4
Principles of Ag, Food & Natural Resources	Horticultural Science	Floral Design ***or*** Advanced Plant & Soil Science	Advanced Floral Design ***or*** Practicum in Ag, Food & Natural Resources

***Sample Course Sequence**

Year 1	Year 2	Year 3	Year 4
Principles of Ag, Food & Natural Resources	Ag Mechanics and Metal	Ag Structures Design & Fabrication	Practicum in Ag, Food & Natural Resources

The Agriculture, Food, and Natural Resources Career Cluster focuses on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Course	**PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES B S**
Course number	8300.R(Y)
Service ID	13000200
Credit	1.0 elective credit
Grade level	9-12
Description	Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture.
Prerequisites	

Course	**LIVESTOCK PRODUCTION B S**
Course number	8301.H(Y)
Service ID	13000300
Credit	1.0 elective credit
Grade level	10-12
Description	In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, the students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources.

Course	**SMALL ANIMAL MANAGEMENT B S**
Course number	8302.R(X)
Service ID	13000400
Credit	0.5 elective credit
Grade level	10-12
Description	In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources.

Course	**VETERINARY MEDICAL APPLICATIONS B S**
Course number	8304.H(Y)
Service ID	13000600
Credit	1.0 elective credit
Grade level	11-12
Description	Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	Equine Science, Livestock Production or Small Animal Management

Course	ADVANCED ANIMAL SCIENCE B S
Course number	8306.H(Y)
Service ID	13000700
Credit	1.0 science credit
Grade level	11-12
Description	Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. By Texas law this course must contain 40 percent lab and field investigations.
Prerequisites	Biology and Chemistry or Integrated Physics and Chemistry; Algebra I and Geometry; and either Small Animal Management, Equine Science or Livestock Production. Recommended Veterinary Medical Applications.

Course	PROFESSIONAL STANDARDS IN AGRIBUSINESS B
Course number	8307.R(X)
Service ID	13000800
Credit	0.5 elective credit
Grade level	10-12
Description	Professional Standards in Agribusiness primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness. To prepare for careers in agribusiness systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to leadership development and the workplace, and develop knowledge and skills regarding agricultural career opportunities, entry requirements, and industry expectations.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources

Course	AGRIBUSINESS MANAGEMENT AND MARKETING B
Course number	8308.R(Y)
Service ID	13000900
Credit	1.0 elective credit
Grade level	10-12
Description	Agribusiness Management and Marketing is designed to provide a foundation to agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness. To prepare for careers in agribusiness systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to agribusiness marketing and management and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources

Course	WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT B
Course number	8321.H(Y)
Service ID	13001500
Credit	1.0 elective credit
Grade level	9-12
Description	Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices. To prepare for careers in natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	Recommended: Principles of Agriculture, Food and Natural Resources

Course	EQUINE SCIENCE B
Course number	8303.R(X)
Service ID	13000500
Credit	.5 elective credit
Grade level	10-12
Description	In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.
Prerequisites	None

Course	RANGE ECOLOGY AND MANAGEMENT B
Course number	8323.R(Y)
Service ID	13001600
Credit	1.0 elective credit
Grade level	10-12
Description	Range Ecology and Management is designed to develop students' understanding of rangeland ecosystems and sustainable forage production. To prepare for careers in environmental and natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to environmental and natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for Agriculture, Food, and Natural Resources, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.
Prerequisites	None

Course	MATHEMATICAL APPLICATIONS IN AGRICULTURE, FOOD, AND NATURAL RESOURCES B
Course number	8305.R(Y)
Service ID	13001000
Credit	1.0 elective credit
Grade level	10-12
Description	Students apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. The course may count as a math credit if taken before or concurrently with Algebra II.
Prerequisites	Prerequisite: Algebra I. Recommended: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources cluster.

Course	FLORAL DESIGN B S
Course number	8348.H(Y)
Service ID	13001800
Credit	1.0 fine arts credit
Grade level	9-12
Description	Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, that develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	None

Course	ADVANCED FLORAL DESIGN B
Course number	8349.H(Y)
Service ID	N1300270
Credit	1.0 elective credit
Grade level	11-12
Description	In this course, students build on the knowledge from Floral Design and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client.
Prerequisites	Floral Design

Course	HORTICULTURAL SCIENCE B S
Course number	8327.H(Y) 8327.R(Y)
Service ID	13002000
Credit	1.0 elective credit
Grade level	10-12
Description	Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture, the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	None

Course	GREENHOUSE OPERATION AND PRODUCTION B S
Course number	8341.R(Y)
Service ID	13002050
Credit	1.0 elective credit
Grade level	10-12
Description	Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	None

Course	ADVANCED PLANT & SOIL SCIENCE B S
Course number	8342.H(Y)
Service ID	13002100
Credit	1.0 science credit
Grade level	11-12
Description	Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. By Texas law this course must contain at least 40 percent lab and field investigations.
Prerequisites	Recommended: Biology, Chemistry or Integrated Physics and Chemistry, or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster

Course	AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES B S
Course number	8343.H(Y) 8343.R(Y)
Service ID	13002200
Credit	1.0 elective credit
Grade level	10-12
Description	Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.
Prerequisites	Recommended: Principles of Agriculture, Food, and Natural Resources

Course	AGRICULTURAL STRUCTURES DESIGN AND FABRICATION B S
Course number	8345.H(Y) 8345.R(Y)
Service ID	13002300
Credit	1.0 elective credit
Grade level	11-12
Description	In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.
Prerequisites	Recommended: Agricultural Mechanics and Metal Technologies

Course	PRACTICUM IN AGRICULTURE, FOOD, and NATURAL RESOURCES I B S
Course number	8310.H(Y)
Service ID	13002500
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Agriculture, Food, and Natural Resources is designed to give students a supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. Areas of specialized study could include Horticulture, Vet Med, Ag Mechanics. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	Recommended: Minimum of one credit in the Agriculture, Food, and Natural Resources cluster.

Course	PRACTICUM IN AGRICULTURE, FOOD, & NATURAL RESOURCES 2nd time taken B S
Course number	8312.H(Y)
Service ID	13002510
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. Areas of specialized study could include Horticulture, Vet Med, Ag Mechanics. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisites	Practicum in Agriculture, Food & Natural Resources 1st time taken

Architecture and Construction Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Construction	Construction Technology I	Construction Technology II	Practicum in Construction Technology

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment.

Course	PRINCIPLES OF CONSTRUCTION B S
Course number	8400.R(Y)
Service ID	13004220
Credit	1.0 elective credit
Grade level	9-12
Description	This course introduces students to concepts, safety, and skills in construction fields. Students complete hands-on projects in a variety of areas, including construction drawings, measurement systems, hand and power tools for construction, and careers in architecture and construction fields.
Prerequisites	None

Course	CONSTRUCTION TECHNOLOGY I B
Course number	8410.H(Y) 8410.R(Y)
Service ID	13005100
Credit	2.0 elective credits
Grade level	10-12
Description	In this course students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for postsecondary studies in construction management, architecture, or architectural engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, building codes, and framing.
Prerequisites	Recommended: Principles of Construction or Principles of Architecture.

Course	CONSTRUCTION TECHNOLOGY II B
Course number	8420.H(Y)
Service ID	13005200
Credit	2.0 elective credits
Grade level	11-12
Description	In this course students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for postsecondary study in construction management, architecture, or architectural engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills.
Prerequisites	Construction Technology I

Course	PRACTICUM IN CONSTRUCTION TECHNOLOGY B
Course number	8411
Service ID	13005250 (first time taken) 13005260 (second time taken)
Credit	2.0 elective credits
Grade level	12
Description	In Practicum in Construction Technology, students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.
Prerequisites	Construction Technology II; Building Maintenance Technology II; Electrical Tech II; HVAC; Plumbing Tech I; Mill & Cabinet Making Tech

Course	ELECTRICAL TECH I-II B S
Course number	8401.N000.X (1 credit) 8402.N000.X (2 credits)
Service ID	13005600 (1 credit) 13005700 (2 credits)
Credit	1.0 - 2.0 elective credits
Grade level	10-12 11-12
Description	In Electrical Technology, students will gain knowledge and skills needed to enter the workforce as an electrician, a building maintenance technician, or a supervisor; prepare for a postsecondary degree in a specified filed of construction or construction management; or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation.
Prerequisites	Recommended: Principles of Architecture or Principles of Construction. Prerequisite for Electrical Tech II: Electrical Tech I

Arts, Audio/Video Technology, and Communications Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Arts, A/V Technology & Communications	Audio Video Production I or Digital Audio Technology I	Audio Video Production II	Practicum in Audio Video Production I ***or*** Digital Audio Technology II

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Arts, A/V Technology & Communications ***or*** Digital Media I	Graphic Design & Illustration I *or* Animation I ***or*** Commercial Photography I ***or*** Video Game Design	Graphic Design & Illustration II *or* Animation II ***or*** Commercial Photography II	Practicum in Graphic Design & Illustration *or* Practicum in Animation *or* Practicum in Commercial Photography

The Arts, Audio/Video Technology, and Communications Career Cluster focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Course	PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS B
Course number	8500.R(Y)
Service ID	13008200
Credit	1.0 elective credit
Grade level	9
Description	Careers in the Arts, Audio/Video Technology, and Communications Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Students will be provided an opportunity to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. This course allows students to develop knowledge and skills related to information management, presentation, animation, video technology, printing and desktop publishing.
Prerequisites	None

Course	ANIMATION I B
Course number	8501.R(Y) 8501.H(Y)
Service ID	13008300
Credit	1.0 elective credit
Grade level	10-12
Description	Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry and prepares them for the capstone classes of their choice.
Prerequisites	Recommended: Art I or Principles of Art, Audio/Video Technology, and Communications.

Course	ANIMATION II B
Course number	8520.H(Y)
Service ID	13008400
Credit	1.0 elective credit
Grade level	11-12
Description	Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to create two- and three-dimensional animations. Students will be expected to analyze career opportunities in the animation industry.
Prerequisites	Animation I

Course	PRACTICUM IN ANIMATION
Course number	8515.H(Y)
Service ID	13008450
Credit	2.0 elective credits
Grade level	11-12
Description	Careers in animation span all aspects of the arts, audio/video technology, and communications industry. Building upon the concepts taught in Animation II and its, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and the Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.
Prerequisites	Animation II and 16 years of age.

Course	VIDEO GAME DESIGN B
Course number	8503.H(Y) 8503.R(Y)
Service ID	13009970
Credit	1.0 elective credit
Grade level	9-12
Description	Video Game Design will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.
Prerequisites	Recommended: Principles of Art, Audio/Video Technology, and Communications.

Course	AUDIO/VIDEO PRODUCTION I B
Course number	8511.R(Y) 8511.H(Y)
Service ID	13008500
Credit	1.0 elective credit
Grade level	9-12
Description	Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Students will be expected to develop technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video products.
Prerequisites	Recommended: Principles of Arts, Audio/Technology, and Communications

Course	AUDIO/VIDEO PRODUCTION II B
Course number	8521.R(Y) 8521.H(Y)
Service ID	13008600
Credit	1.0 elective credit
Grade level	10-12
Description	In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products.
Prerequisites	Audio/Video Production I

Course	PRACTICUM IN AUDIO/VIDEO PRODUCTION 1st time taken B
Course number	8513.H(Y)
Service ID	13008700
Credit	2.0 elective credits
Grade level	11-12
Description	Building upon the concepts taught in Audio/Video Production II, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment.
Prerequisites	Audio/Video Production II and 16 years of age

Course	PRACTICUM IN AUDIO/VIDEO PRODUCTION 2nd time taken B
Course number	8523.H(Y)
Service ID	13008710
Credit	2.0 elective credits
Grade level	11-12
Description	Building upon the concepts taught in Practicum Audio/Video Production II students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities and a media based portfolio to achieve an operational objective.
Prerequisites	Practicum in Audio/Video Production 1st time taken

Course	DIGITAL AUDIO TECHNOLOGY I B
Course number	8551.R(Y)
Service ID	13009950
Credit	1.0 elective credit
Grade level	9-12
Description	Digital Audio Technology I was designed to provide learning opportunities to students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, music production and live sound, and additional opportunities and skill sets. Digital Audio Technology I does not replace Audio Video Production courses but is recommended as a single credit, co-curricular course with an audio production technical emphasis. This course can also be paired with Digital Media. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical listening skills.
Prerequisites	Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications or Digital Media or Audio/Video Production I

Course	DIGITAL AUDIO TECHNOLOGY II B
Course number	8552.H(Y)
Service ID	13009960
Credit	1.0 elective credit
Grade level	10-12
Description	Digital Audio Technology II was designed to provide additional opportunities and skill sets for students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, and music production and live sound. Digital Audio Technology II does not replace Audio Video Production courses but is recommended as a single credit, co-curricular course with an audio production technical emphasis. The course can also be paired with Digital Media. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical listening skills.
Prerequisites	Digital Audio Technology I.

Course	GRAPHIC DESIGN AND ILLUSTRATION I B
Course number	8514.R(Y) 8514.H(Y)
Service ID	13008800
Credit	1.0 elective credits
Grade level	10-12
Description	Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.
Prerequisites	Recommended: Principles of Art, Audio/Video Technology, and Communications

Course	GRAPHIC DESIGN AND ILLUSTRATION II B
Course number	8524.H(Y)
Service ID	13008900
Credit	1.0 elective credits
Grade level	10-12
Description	In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills and developing a portfolio that illustrates industry standards.
Prerequisites	Graphic Design and Illustration I or Graphic Design and Illustration I/Lab

Course	PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION, 1st time taken B
Course number	8516.H(Y)
Service ID	13009000
Credit	2.0 elective credits
Grade level	11-12
Description	Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities and portfolio creation.
Prerequisites	Graphic Design and Illustration I & II, and 16 years of age

Course	PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION, 2ND time taken B
Course number	8526.H(Y)
Service ID	13009010
Credit	2.0 elective credits
Grade level	12
Description	Within this context, students will continue to develop technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster. Students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through career preparation opportunities and portfolio creation/communication.
Prerequisites	Practicum in Graphic Design and Illustration, 1st time taken

Course	PROFESSIONAL COMMUNICATIONS B
Course number	8502.R(X)
Service IS	13009900
Credit	0.5 elective credit
Grade level	9-12
Description	Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.
Prerequisites	None

Course	COMMERCIAL PHOTOGRAPHY I B
Course number	8517.HA(Y)
Service ID	13009100
Credit	1.0 elective credit
Grade level	9-12
Description	Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.
Prerequisites	Principles of Arts, Audio/Video Technology and Communication

Course	COMMERCIAL PHOTOGRAPHY II B
Course number	8527.H(Y)
Service ID	13009200
Credit	1.0 elective credit
Grade level	10-12
Description	Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.
Prerequisites	Commercial Photography I

Course	PRACTICUM IN COMMERCIAL PHOTOGRAPHY B
Course number	8529.H(Y)
Service ID	13009250
Credit	2.0 elective credits
Grade level	11-12
Description	Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the photography industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experience or career preparation opportunities in photography.
Prerequisites	Commercial Photography I

Course	DIGITAL MEDIA B T
Course number	8807.H(Y) 8807.R(Y)
Service ID	13027800
Credit	1.0 elective credit
Grade level	9-12
Description	In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and thinking and apply them to the IT environment.
Prerequisites	None

Course	DIGITAL DESIGN AND MEDIA PRODUCTION B
Course number	7006.R(Y)
Service ID	03580400
Credit	1.0 elective credit
Grade level	9-12
Description	Digital Design and Media Production allows students to demonstrate creative thinking, develop innovative strategies, and use communication tools to work effectively with others as well as independently. Students problem-solve to gather information electronically and make informed decisions regarding media projects. The course includes a focus on digital citizenship and digital design principles that are transferable to other disciplines and real-world applications. Students discuss the implications of fake news, Photoshopping of the human image products and more with regard to how consumers can determine what is true and what is a lie.
Prerequisites	None

Course	DIGITAL ART AND ANIMATION B
Course number	7007.R(Y) 7007.H(Y)
Service ID	03580500
Credit	1.0 fine arts/elective credit
Grade level	9-12
Description	Digital Art and Animation fosters student learning in the use of computer images and animations created with digital imaging software. Students in this course produce various real-world projects and animations. Through this foundation, student learning can be applied in many careers, with topics such as graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing. This course satisfies the high school fine arts graduation requirement.
Prerequisites	Recommended: Art, Level I

Course	3-D MODELING AND ANIMATION B
Course number	7008.R(Y)
Service ID	03580510
Credit	1.0 fine arts/elective credit
Grade level	9-12
Description	3-D Modeling and Animation provides students with opportunities to create computer images in a virtual three-dimensional (3-D) environment. Through this foundation, student learning can be applied in many careers, including criminal justice, crime scene, and legal applications; construction and architecture; engineering and design; and the movie and game industries. This course satisfies the high school fine arts graduation requirement.
Prerequisites	Recommended: Art, Level I

Course	DIGITAL COMMUNICATIONS IN THE 21ST CENTURY B
Course Number	7009.R(Y)
Service ID	03580610
Credit	1.0 elective credit
Grade Level	9-12
Description	Digital Communications in the 21st Century prepares students for the societal demands of increased civic literacy, independent working environments, global awareness, and the mastery of effective products based on well-researched issues to thoughtfully propose suggested solutions to authoritative stakeholders. Student use of the process-and-product approach provides authentic platforms from which students will be able to demonstrate effective application of multimedia tools within the contexts of global communications and collaborative communities and appropriately share their voices to affect change that concerns their future. Students discuss the implications of fake news, Photoshopping of the human image and more with regard to how consumers can determine what is true and what is a lie.
Prerequisites	None

Course	WEB GAME DEVELOPMENT B
Course Number	7014.H (Y)
Service ID	03580830
Credit	1.0 elective credit
Grade Level	11-12
Description	Web Game Development provides students with opportunities to use digital media and environments to research, evaluate, and create web forms for database processing. During this course, students examine both Common Gateway Interface (GCI) and computer-generated imagery (CGI); analyze and summarize streaming media/content and game broadcasting; and review the history of gaming; game types. Students also investigate career opportunities in programming, gaming, art, design, business, and marketing; develop and create a gaming storyboard and script; implement graphic and game design elements.
Prerequisites	Recommended: Web Design

Course	VIDEO GAME PROGRAMMING
Course Number	8504.R (Y)
Service ID	N1300994
Credit	1.0 elective credit
Grade Level	10-12
Description	Video Game Programming expands on the foundation created in Video Game Design through programming languages such as C# programming, XNA game studio, Java, and Android App. In this course, students will investigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code.
Prerequisites	Recommended: Video Game Design

Course	ADVANCED VIDEO GAME PROGRAMMING
Course Number	8505.H (Y)
Service ID	N1300995
Credit	1.0 elective credit
Grade Level	11-12
Description	Advanced Video Game Programming students will be introduced to mobile application design and programming using Java and Eclipse for Android devices. Time will be spent learning basic Java programming and working with Android Studio to develop real working apps. Using Unity as an introduction to 3D game development, students will have exposure to and an understanding of: object-oriented programming concepts; game development skill with programs such as Unity; 3D modeling with programs such as Blender; image manipulation with programs such as GIMP; concepts related to the design process; and the ability to communicate and collaborate on group-based projects
Prerequisites	Recommended prerequisite: Video Game Design and Video Game Programming

Business, Marketing, and Finance Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Business, Marketing, and Finance	Virtual Business ***and*** Global Business ***or*** Business Information Management	Business Information Management II	Business Management ***or*** Practicum in Business Management

The Business Marketing and Finance Career Cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Course	PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE B
Course number	8600.H(Y) 8600.R(Y)
Service ID	13011200
Credit	1.0 elective credit
Grade level	9-11
Description	In Principles of Business, Marketing, and Finance, students study economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.
Prerequisites	None

Course	BUSINESS INFORMATION MANAGEMENT I B
Course number	8610.R(Y) 8610.H(Y)
Service ID	13011400
Credit	1.0 elective credit
Grade level	9-12
Description	In Business Information Management I, students put into use the ability to get along well with others, to strengthen individual performance at work and in the world, and to make successful changes in the workplace and in further education. Students apply abilities to do particular job-related tasks well to address new business computer programs, and new technologies, to create word-processing documents, to create and edit spreadsheets, to create and edit databases, and to make electronic presentations using appropriate software.
Prerequisites	Recommended: Touch System Data Entry

Course	BUSINESS INFORMATION MANAGEMENT II B
Course number	8620.H(Y)
Service ID	13011500
Credit	1.0 elective credit
Grade level	10-12
Description	In Business Information Management II, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.
Prerequisites	Business Information Management I

Course	BUSINESS LAW B
Course number	8603.R(Y)
Service ID	13011700
Credit	1.0 elective credit
Grade level	11-12
Description	Students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property. Students apply technical skills to address business applications of contemporary legal issues. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.
Prerequisites	None

Course	GLOBAL BUSINESS B
Course number	8604.H(X) 8604.R(X)
Service ID	13011800
Credit	0.5 elective credit
Grade level	10-12
Description	Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.
Prerequisites	None

Course	HUMAN RESOURCES MANAGEMENT B
Course number	8605.R(X)
Service ID	13011900
Credit	0.5 elective credit
Grade level	11-12
Description	Human Resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.
Prerequisites	None.

Course	VIRTUAL BUSINESS B
Course number	8606.R(X)
Service ID	13012000
Credit	0.5 elective credit
Grade level	10-12
Description	Virtual Business is designed for students to start a virtual business by creating a web presence, conducting online and off-line marketing, examining contracts appropriate for an online business, and showing project-management skills. Students will also show bookkeeping skills for a virtual business, maintain business records, and understand legal issues connected with a virtual business.
Prerequisites	Recommended: Touch System Data Entry

Course	BUSINESS MANAGEMENT B
Course number	8607.H(Y)
Service ID	13012100
Credit	1.0 elective credit
Grade level	10-12
Description	Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.
Prerequisites	None

Course	PRACTICUM IN BUSINESS MANAGEMENT I B
Course number	8608.H(Y)
Service ID	13012200
Credit	2.0 elective credit
Grade level	11-12
Description	Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.
Prerequisites	Recommended: Touch System Data Entry and Business Management or Business Information Management II and 16 years of age

Course	MONEY MATTERS B
Course number	8112.H(Y) 8112.R(Y)
Service ID	13016200
Credit	1.0 elective credit
Grade level	9-12
Description	Students will investigate money management from a personal financial perceptive. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocating, risk management, retirement planning, and estate planning.
Prerequisites	Recommended: Principles of Business, Marketing & Finance

Course	BANKING AND FINANCIAL SERVICES B
Course number	8113.W(Y)
Service ID	13016300
Credit	0.5 elective credit
Grade level	10-12
Description	Banking services are primarily concerned with accepting deposits, lending funds, and extending credit. Banking services include cash management, short-term investments, mortgages and other loans, credit cards, and bill payment. Banking services are delivered via several different institutions, from commercial banks (the largest group) and other traditional means (savings and loans associations, credit unions, and local banks) to newer ventures through insurance companies, brokerage houses, and the Internet.
Prerequisites	Recommended: Principles of Business, Marketing, and Finance

Course	ACCOUNTING I B
Course number	8114.H(Y) 8114.R(Y)
Service ID	13016600
Credit	1.0 elective credit
Grade level	10-12
Description	Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision-making.
Prerequisites	Recommended: Principles of Business, Marketing, and Finance

Course	ACCOUNTING II B
Course number	8124.H(Y)
Service ID	13016700
Credit	1.0 mathematics credit
Grade level	11-12
Description	Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision-making.
Prerequisites	Accounting I

Course	STATISTICS AND BUSINESS DECISION MAKING B
Course number	8115.HA00.Y
Service ID	13016900
Credit	1.0 mathematics credit
Grade level	11-12
Description	Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision-making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.
Prerequisites	Algebra II

Course	FINANCIAL MATHEMATICS B
Course number	8116.R000.Y
Service ID	13018000
Credit	1.0 mathematics credit
Grade level	10-12
Description	Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors.
Prerequisites	Algebra I

Course	ENTREPRENEURSHIP B
Course number	8660.H(Y) 8660.R(Y)
Service ID	13034400
Credit	1.0 elective credit
Grade level	10-12
Description	In Entrepreneurship, students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students will understand the capital required, the return on investment desired, and the potential for profit.
Prerequisites	Recommended: Principles of Business, Marketing and Finance.

Course	FUNDAMENTALS OF REAL ESTATE
Course info	8861.R(Y)
Service ID	N1301120
Credit	2.0 elective credits
Grade level	11-12
Description	In Fundamentals of Real Estate, students gain knowledge and skills in general principles of real estate, the law of agency, the law of contracts, use of promulgated forms and real estate finance. Students analyze the elements of a real estate transaction, including representation, financing, title, closing and deeds. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant principles of real estate.
Prerequisites	None

Course	RETAIL MANAGEMENT
Course info	8862.R(Y)
Service ID	N1303420
Credit	1.0 elective credit
Grade level	10-12
Description	Retail Management is designed as a comprehensive introduction to the principles and practices of retail management. The course explores the process of promoting greater sales and customer satisfaction by gaining a better understanding of the consumers of the goods and services provided by a company. The course provides an overview of the strategies involved in the retail process, such as distributing finished products created by the business to consumers and determining what buyers want and require from the retail market.
Prerequisites	Recommended prerequisite: Principles of Business, Marketing, and Finance

Course	INSURANCE OPERATIONS
Course info	TBD
Service ID	13016500
Credit	1.0 elective credit
Grade level	10-12
Description	In Insurance Operations, students will understand the laws and regulations in order to manage business operations and transactions in the insurance industry.
Prerequisites	Recommended prerequisite: Principles of Business, Marketing, and Finance

Course	ENTREPRENEURSHIP II
Course number	8661.R(Y)
Service ID	N1303423
Credit	1.0 elective credit
Grade level	11-12
Description	Students will work in close cooperation with local industry leaders, community members, and educators to develop ideas and objectives, complete a business model canvas, pitch to potential investors, register with governmental agencies, and develop brand identity. The goal and outcome of the course is to have a business launched by the end of the course or have the tools necessary to launch and operate a business.
Prerequisites	Prerequisite: Entrepreneurship

Course	MARKETING
Course number	8652.R(Y)
Service ID	N1303424
Credit	1.0 elective credit
Grade level	10-12
Description	Marketing explores the seven core functions of marketing including marketing planning, marketing-information management, pricing, product/service management, channel management, and selling. Students will demonstrate knowledge in hands-on projects which may include conducting research, creating a promotional plan, pitching a sales presentation, and introducing an idea for a new product/service.
Prerequisites	Recommended prerequisite: Principles of Business, Marketing and Finance

Course	SPORTS AND ENTERTAINMENT MARKETING II
Course number	8663.R(Y)
Service ID	N1303422
Credit	0.5 elective credit
Grade level	10-12
Description	Sports and Entertainment Marketing II is an advanced course designed to build upon students' prior knowledge of sports and entertainment marketing. Students will develop a thorough understanding of advanced marketing concepts and theories as they relate to the sports and entertainment industries.
Prerequisites	Prerequisite: Sports and Entertainment Marketing. Recommended prerequisite: Principles of Business, Marketing, and Finance.

Education and Training Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Education & Training	Human Growth & Development	Instructional Practices	Practicum in Education & Training

The Education and Training Career Cluster focuses on planning, managing, and providing education and training services and related learning support services.

Course	**PRINCIPLES OF EDUCATION AND TRAINING P**
Course number	8640.R(Y)
Service ID	13014200
Credit	1.0 elective credit
Grade level	9-10
Description	Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster.
Prerequisites	None

Course	**HUMAN GROWTH AND DEVELOPMENT P**
Course number	8643.H(Y) 8643.R(Y)
Service ID	13014300
Credit	1.0 elective credit
Grade level	10-12
Description	Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.
Prerequisites	Recommended prerequisite: Principles of Education and Training

Course	**INSTRUCTIONAL PRACTICES P**
Course number	8642.H(Y)
Service ID	13014400
Credit	2.0 elective credits
Grade level	11-12
Description	Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle-school-, and high-school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.
Prerequisites	Requirement: Prior to acceptance, students must undergo a criminal background check and must be clear of any misdemeanor or felony convictions and be 16 years of age. Recommended prerequisites: Principles of Education & Training and Human Growth and Development

Course	**PRACTICUM IN EDUCATION AND TRAINING P**
Course number	8641.H(Y)
Service ID	13014500
Credit	2.0 elective credits
Grade level	12
Description	This course is a continuation of the teacher education program. Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.
Prerequisites	Instructional Practices. Recommended: Principles of Education & Training and Human Growth & Development. Additional requirements: Prior to acceptance, students must undergo a criminal background check, and must be clear of any misdemeanor or felony convictions; Instructor approval; 16 years of age.

Course	CHILD DEVELOPMENT ASSOCIATE (CDA) FOUNDATIONS
Course number	8644.R(Y)
Service ID	N1300500
Credit	1.0 elective credit
Grade level	10-12
Description	The Child Development Associate (CDA) Foundations course is a laboratory course addressing the knowledge and skills related to applying Child Development Associate (CDA) Competency Standards in early childhood environments and understanding how these competencies help young children move with success from one developmental stage to the next. Students will be prepared and informed on the requirements that must be met to apply for the nationally recognized CDA credential.
Prerequisites	Recommended prerequisites: Principles of Education and Training or Principles of Human Services

Course	COMMUNICATION AND TECHNOLOGY IN EDUCATION
Course number	8645.R(Y)
Service ID	N1300510
Credit	1.0 elective credit
Grade level	10-12
Description	Communication and Technology in Education will provide students with the fundamentals of planning, managing and training services needed to provide learning support services in K-12 classrooms. Students will develop knowledge and skills regarding the professional, ethical, and legal responsibilities in teaching related to educational technology; as well as, understand laws and pedagogical justifications regarding classroom technology use.
Prerequisites	Recommended prerequisites: Principles of Education and Training

Health Science Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Health Science	Medical Terminology	Health Science Theory	Practicum in Health Science II

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, medical therapy, nursing science, exercise science and wellness.

Course	PRINCIPLES OF HEALTH SCIENCE P S
Course number	8213.R(Y)
Service ID	13020200
Credit	1.0 elective credit (0.5 health credit)
Grade level	9-10
Description	Principles of Health Science is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.
Prerequisites	None

Course	MEDICAL TERMINOLOGY P S
Course number	8214.R(Y)
Service ID	13020300
Credit	1.0 elective credit
Grade level	9-12
Description	Medical Terminology is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. This course will create medical language literacy required for various healthcare fields.
Prerequisites	None

Course	HEALTH SCIENCE THEORY P S
Course number	8215.R(Y)
Service ID	13020400
Credit	1.0 elective credit
Grade level	10-12
Description	Health Science Theory is designed to advance the knowledge and skills required in a wide variety of health careers through simulated hands-on experiences.
Prerequisites	Biology. Recommended co-requisite: Principles of Health Science.

Course	PRACTICUM IN HEALTH SCIENCE, 1st time taken P S
Course Number	8211.H(Y)
Service ID	13020500
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Health Science is designed to give students real world application with the intent to gain a certification in a variety of health care careers. Students will have an opportunity to travel to various medical sites to enhance their previously acquired skills.
Prerequisites	Health Science Theory and Biology. Recommended: Principles of Health Science. Additional Requirement: Prior to acceptance, students must undergo a criminal background check and must be clear of any misdemeanor or felony convictions; 16 years of age.

Course	PRACTICUM IN HEALTH SCIENCE, 2nd time taken P S
Course Number	8221.H(Y)
Service ID	13020510
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Health Science is designed to give students real world application with the intent to gain a certification in a variety of health care careers. Students will have an opportunity to travel to various medical sites to enhance their previously acquired skills.
Prerequisites	Health Science Theory, Practicum in Health Science (1st time taken), and Biology. Recommended: Principles of Health Science. Additional Requirement: Prior to acceptance, students must undergo a criminal background check and must be clear of any misdemeanor or felony convictions; 16 years of age.

Course	ANATOMY AND PHYSIOLOGY P S
Course number	8217.H(Y)
Service ID	13020600
Credit	1.0 science credit
Grade level	10-12
Description	In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biology and a second science credit. Recommended: One course from Health and Science Career Cluster.

Course	MEDICAL MICROBIOLOGY P S
Course number	8218.H(Y)
Service ID	13020700
Credit	1.0 science credit
Grade level	10-12
Description	Medical Microbiology is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biology and Chemistry. Recommended: One course from Health and Science Career Cluster.

Course	PATHOPHYSIOLOGY P S
Course number	8219.H(Y)
Service ID	13020800
Credit	1.0 science credit
Grade level	11-12
Description	Pathophysiology is designed for students to conduct laboratory and field investigations using the scientific process. Students will be able to make informed decisions using their critical thinking skills and problem-solving techniques. The students will study disease processes and their effects on the human body with a focus on prevention and treatment. Texas law requires 40 percent laboratory and fieldwork.
Prerequisites	Biology and Chemistry. Recommended: One course from Health and Science Career Cluster.

Course	WORLD HEALTH RESEARCH P S
Course number	8222.H(Y)
Service ID	13020900
Credit	1.0 elective credit
Grade level	11-12
Description	World Health Research is designed to examine major world health problems and emerging technologies as solutions to these medical concerns. It is designed to improve students' understanding of how culture, political choices, available and accessible services, educational opportunities, and technology affect the overall health of a society or culture.
Prerequisites	Biology and Chemistry. Recommended: One course from Health Science Cluster

Course	PHARMACOLOGY P S
Course number	8223.H(Y)
Service ID	13020950
Credit	1.0 elective credit
Grade level	11-12
Description	Pharmacology is designed to provide an introduction to the rapidly changing pharmaceutical industry. Students learn how natural and synthetic chemical agents in drugs affect biological systems such as the human body, animal testing, and the environment in a therapeutic and nontherapeutic way.
Prerequisites	Biology and Chemistry. Recommended: One course from Health and Science Career Cluster.

Course	INTRODUCTION TO DENTAL SCIENCE
Course number	TBD
Service ID	N1302101
Credit	1.0 elective credit
Grade level	9-11
Description	Introduction to Dental Science is an introductory health science course designed to initiate secondary students to the field of dentistry and related topics.
Prerequisites	None

Course	INTRODUCTION TO IMAGING TECHNOLOGY
Course number	8201.R(Y)
Service ID	N1302102
Credit	1.0 elective credit
Grade level	9-10
Description	The Introduction to Imaging Technology course provides students an introduction to the basic principles, guidelines, and knowledge needed for members of the medical imaging field.
Prerequisites	None

Course	INTRODUCTION TO PHARMACY SCIENCE
Course number	8202.R(Y)
Service ID	N1302103
Credit	1.0 elective credit
Grade level	9-10
Description	The Introduction to Pharmacy Sciences course is designed to provide an overview of the history of the pharmacy profession, legal and ethical aspects of pharmacy, skills necessary to work in the field of pharmacy (including professionalism, certifications/registration, communication and medical terminology, rules and regulations pertaining to the field), medical math, anatomy and physiology/pathophysiology, pharmacology, and wellness as they pertain to pharmacy sciences.
Prerequisites	None

Course	INTRODUCTION TO SPEECH PATHOLOGY AND AUDIOLOGY
Course number	8203.R(Y)
Service ID	N1302100
Credit	1.0 elective credit
Grade level	10-12
Description	The Introduction to Speech-Language Pathology and Audiology course is designed to provide for the development of advanced knowledge and skills related to the professions that specialize in communication disorders: speech-language pathology, audiology, hearing, and speech and language science.
Prerequisites	Recommended prerequisites: Anatomy and Physiology and Principles of Health Science

Course	KINESIOLOGY I
Course number	8212.R(Y)
Service ID	N1302104
Credit	1.0 elective credit
Grade level	9-10
Description	This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance.
Prerequisites	None

Course	PRINCIPLES OF ALLIED HEALTH
Course number	8209.R(Y)
Service ID	N1302105
Credit	1.0 elective credit
Grade level	9-10
Description	Principles of Allied Health is designed to provide the basic concepts, knowledge and skills necessary for a health career in an allied health field. This course will focus on concepts associated with the healthcare industry standards, respiratory therapy, physical and occupational therapy, radiological imaging, and pharmaceuticals.
Prerequisites	None

Course	PRINCIPLES OF DIAGNOSTIC HEALTHCARE
Course number	8205.R(Y)
Service ID	N1302106
Credit	1.0 elective credit
Grade level	9-10
Description	The Principles of Diagnostic Health Care course is designed to provide students with experiential learning activities in clinical diagnostic applications while building the knowledge and skills needed to investigate and analyze disease processes.
Prerequisites	None

Course	PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS
Course number	8206.R(Y)
Service ID	N1302107
Credit	1.0 elective credit
Grade level	9-10
Description	The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health.
Prerequisites	None

Course	PRINCIPLES OF HEALTH INFORMATICS
Course number	8207.R(Y)
Service ID	N1302108
Credit	1.0 elective credit
Grade level	9-12
Description	The Principles of Health Informatics course introduces students to information and health careers responsible for the design, development, and use of technologies such as electronic medical records, patient monitoring systems, and digital libraries, while managing the vast amount of data generated by these systems.
Prerequisites	None

Course	PRINCIPLES OF NURSING SCIENCE
Course number	8208.R(Y)
Service ID	N1302109
Credit	1.0 elective credit
Grade level	9-10
Description	The Principles of Nursing Science course introduces students to basic principles of the profession of nursing. The goals/student outcomes for the course include knowledge of the history of nursing, an introduction to nursing theory, professionalism (teamwork, communication, conflict resolution), legal/ethical issues in nursing, infection control, safety, and customer (patient) satisfaction. Skills learned include vital signs and how to document on a graphic record, patient positioning/transferring, bed-making, feeding, and personal protective equipment (PPE).
Prerequisites	None

Course	PRINCIPLES OF THERAPEUTIC HEALTHCARE
Course number	8209.R(Y)
Service ID	N1302110
Credit	1.0 elective credit
Grade level	9-10
Description	Principles of Therapeutic Healthcare will provide students with an overview of the knowledge, skills and abilities associated with careers within the therapeutic pathway of the healthcare industry. These careers include direct patient care jobs, rehabilitation and jobs caring for individuals with physical and developmental delays.
Prerequisites	Co-requisite: Biology

Course	SPEECH AND LANGUAGE DEVELOPMENT
Course number	8229.R(Y)
Service ID	N1302098
Credit	1.0 elective credit
Grade level	11-12
Description	The Speech and Language Development course provides for the development of advanced knowledge and skills related to the speech and language acquisition and growth of developing children. A clear understanding of healthy speech development as well as the speech, language, and communication developmental milestones is a prerequisite for studying communication disorders.
Prerequisites	Recommended prerequisites: Principles of Health Science, Principles of Health Science, Anatomy and Physiology, and Introduction to Speech Pathology and Audiology

Course	SPEECH AND COMMUNICATION DISORDERS
Course number	8231.R(Y)
Service ID	N1302099
Credit	1.0 elective credit
Grade level	11-12
Description	The Speech and Communication Disorders course is designed to provide for the development of advanced knowledge and skills related to an overview of communication disorders that occur in children and adults in the areas of speech sound production, stuttering, voice disorders, and the language areas of semantics, syntax, pragmatics, phonology, and metalinguistic.
Prerequisites	Recommended Prerequisites: Principles of Health Science, Anatomy and Physiology, Introduction to Speech-Language Pathology and Audiology, Speech and Language Development, and Human Growth and Development.

Hospitality and Tourism Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Hospitality & Tourism	Hospitality Management	Hospitality Services	Practicum in Hospitality Services

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Introduction to Culinary Arts	Culinary Arts	Advanced Culinary Arts	Practicum in Culinary Arts

The Hospitality and Tourism Career Cluster focuses on the management, marketing, and operations of restaurants and other food/beverage services as well as lodging, attractions, recreation events, and travel-related services.

Course	**PRINCIPLES OF HOSPITALITY AND TOURISM B**
Course number	8413.R(Y)
Service ID	13022200
Credit	1.0 elective credit
Grade level	9-12
Description	The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food and beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry.
Prerequisites	None

Course	**INTRODUCTION TO CULINARY ARTS B**
Course number	8414.H(Y) 8414.R(Y)
Service ID	13022550
Credit	1.0 elective credit
Grade level	9-10
Description	Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into kitchen safety, food production skills, various levels of industry management and hospitality.
Prerequisites	Recommended: Principles of Hospitality and Tourism

Course	**CULINARY ARTS B**
Course number	8415.H(Y) 8415.R(Y)
Service ID	13022600
Credit	2.0 elective credits
Grade level	10-12
Description	Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certification.
Prerequisites	Recommended: Principles of Hospitality and Tourism and Introduction to Culinary Arts

Course	**ADVANCED CULINARY ARTS B**
Course number	8416.H (Y)
Service ID	13022650
Credit	2.0 elective credits
Grade level	10-12
Description	Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards to prepare students for success in higher education, certifications, and/or immediate employment.
Prerequisites	Culinary Arts

Course	**PRACTICUM IN CULINARY ARTS, 1st & 2nd time taken B**
Course number	8417.H(Y) 1st time taken 8427.H(Y) 2nd time taken
Service ID	1st time taken; 13022700 2nd time taken; 13022710
Credit	2.0 elective credits
Grade level	11-12
Description	This course is a continuation of Culinary Arts. This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with laboratory-based actual business and industry career culinary experiences.
Prerequisites	Culinary Arts and 16 years of age

Course	FOOD SCIENCE B
Course number	8433.H(Y)
Service ID	13023000
Credit	1.0 science credit
Grade level	11-12
Description	In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Three units of science including Biology and Chemistry. Recommended prerequisites: Principles of Hospitality and Tourism.

Course	HOSPITALITY SERVICES B
Course number	8430.H(Y)
Service ID	13022800
Credit	2.0 elective credits
Grade level	11-12
Description	Hospitality Services provides students with the academic and technical preparation to pursue high-demand and high-skill careers in hospitality related industries. The knowledge and skills are acquired within a sequential, standards-based program that integrates hands-on and project-based instruction. Standards included in the Hospitality Services course are designed to prepare students for nationally recognized industry certifications, postsecondary education, and entry-level careers. In addition, Hospitality Services is designed so that performance standards meet employer expectations, enhancing the employability of students. Instruction may be delivered through laboratory training or through internships, mentoring or job shadowing.
Prerequisites	Recommended: Principles of Hospitality and Tourism, Hotel Management, and Travel and Tourism Management.

Course	PRACTICUM IN HOSPITALITY SERVICES, 1st and 2nd time taken B
Course number	8431.H(Y) 1st time taken 8432.H(Y) 2nd time taken
Service ID	1st time taken 13022900 2nd time taken 13022910
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Hospitality Services is a unique practicum experience to provide opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Hospitality Services integrates academic and career and technical education, provides more interdisciplinary instruction, and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. Students are taught employability skills, including job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Practicum in Hospitality Services is relevant and rigorous, supports student attainment of academic and technical standards, and effectively prepares students for college and career success.
Prerequisites	Recommended: Hospitality Services and 16 years of age

Course	TRAVEL AND TOURISM MANAGEMENT B
Course number	8419.R(Y)
Service ID	13022500
Credit	1.0 elective credit
Grade level	10-12
Description	Travel and Tourism Management incorporates principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusements, attractions, and resorts. Employment qualifications and opportunities are also included in this course. Students are encouraged to participate in extended learning experiences such as career and technical organizations and other leadership or extracurricular organizations.
Prerequisites	Recommended prerequisite: Principles of Hospitality and Tourism

Course	FOUNDATIONS OF RESTAURANT MANAGEMENT
Course number	8425.R(Y)
Service ID	N1302268
Credit	1.0 elective credit
Grade level	10-12
Description	Foundations of Restaurant Management provides students with basic culinary skills and food service-restaurant management, industry topics, and standards. Students will gain an understanding of food service-restaurant operations and how the front of the house restaurant and the back of the house restaurant operate.
Prerequisites	Recommended prerequisite: Principles of Hospitality and Tourism.

Course	INTRODUCTION TO EVENT AND MEETING PLANNING
Course number	8424.R(Y)
Service ID	N1302269
Credit	1.0 elective credit
Grade level	10-12
Description	This course will introduce students to the concepts and topics necessary for the comprehensive understanding of the fundamentals of the meetings, conventions, events, and exposition industries. The course will review the roles of the organizations and people involved in the businesses that comprise the Meetings, Events, Expositions and Convention (MEEC) industry.
Prerequisites	Recommended prerequisite: Principles of Hospitality and Tourism, Hotel management and/or Travel and Tourism Management

Course	TOURISM MARKETING CONCEPTS AND APPLICATIONS
Course number	8426.R(Y)
Service ID	N1302270
Credit	1.0 elective credit
Grade level	10-12
Description	Tourism Marketing Concepts and Applications will provide students with a thorough understanding of marketing concepts and theories that apply to the travel and tourism industry to include lodging, food and beverage operations, recreation, amusements, attractions, convention and visitors' bureaus and tourism companies. Students will be introduced to the concepts of markets, market segmentation, and customer needs related to the tourism industry.
Prerequisites	Recommended prerequisite: Principles of Hospitality and Tourism

Course	APPLIED NUTRITION AND DIETETICS
Course number	8726.R(Y)
Service ID	N1302541
Credit	1.0 elective credit
Grade level	10-12
Description	The Applied Nutrition and Dietetics course reinforces professional standards, food safety and sanitation, food service and management, and nutrition care for individuals and groups. The course introduces and applies career -focused and real-world topics related to nutrition such as the nutrition care process, types of nutrition education and counseling, development of nutrition programs, and nutrition industry related research. Students will research requirements necessary to become a professional in the nutrition and dietetics field.
Prerequisites	Recommended prerequisite: Principles of Human Services, Lifetime Nutrition and Wellness and/or Human Growth and Development.

Human Services Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Human Services	Lifetime Nutrition & Wellness ***and*** Interpersonal Studies ***or*** Child Development	Counseling & Mental Health ***or*** Family & Community Services	Practicum in Human Services ***or*** Child Guidance

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Cosmetology Design Color Theory	Introduction to Cosmetology	Cosmetology I / Lab	Cosmetology II / Lab

The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

Course	PRINCIPLES OF HUMAN SERVICES P
Course number	8700.R(Y)
Service ID	13024200
Credit	1.0 elective credit
Grade level	9-12
Description	Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.
Prerequisites	None

Course	DOLLARS AND SENSE P
Course number	8701.R(X)
Service ID	13024300
Credit	0.5 elective credit
Grade level	11-12
Description	Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers.
Prerequisites	Recommended: Principles of Human Services

Course	INTERPERSONAL STUDIES P
Course number	8702.R(X)
Service ID	13024400
Credit	0.5 elective credit
Grade level	9-12
Description	This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles and pursue careers related to counseling and mental health services.
Prerequisites	Recommended: Principles of Human Services, Recommended prerequisite: Principles of Human Services, Principles of Hospitality and Tourism, Principles of Health Science, or Principles of Education and Training

Course	LIFETIME NUTRITION AND WELLNESS P T
Course number	8703.H(X) 8703.R(X)
Service ID	13024500
Credit	0.5 elective credit
Grade level	9-12
Description	Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.
Prerequisites	Recommended prerequisite: Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science

Course	COUNSELING AND MENTAL HEALTH P
Course number	8704.H(Y) 8704.R(Y)
Service ID	13024600
Credit	1.0 elective credit
Grade level	11-12
Description	In Counseling and Mental Health, students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of counseling's ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.
Prerequisites	Recommended: Principles of Human Services

Course	CHILD DEVELOPMENT P T
Course number	8705.H(Y) 8705.R(Y)
Service ID	13024700
Credit	1.0 elective credit
Grade level	10-12
Description	This technical laboratory course addresses knowledge and skills to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.
Prerequisites	Recommended: Principles of Human Services

Course	CHILD GUIDANCE
Course number	8706.H(Y)
Service ID	13024800
Credit	2.0 elective credits
Grade level	10-12
Description	This technical laboratory course addresses the knowledge and skills related to child growth and guidance equipping students with skills to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs.
Prerequisites	Recommended prerequisite: Principles of Human Services. Recommended prerequisite or co-requisite: Child Development

Course	PRACTICUM IN HUMAN SERVICES, 1st and 2nd time taken P
Course number	8710.H(Y) 1st time taken 8720.H(Y) 2nd time taken
Service ID	1st time taken 13025000 2nd time taken 13025010
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Human Services provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster.
Prerequisites	16 years of age

Course	INTRODUCTION TO COSMETOLOGY P
Course number	8707.R(Y)
Service ID	13025100
Credit	1.0 elective credit
Grade level	10
Description	In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements.
Prerequisites	

Course	COSMETOLOGY I w/ LAB P
Course number	8712.H (Y)
Service ID	13025210
Credit	3.0 elective credits
Grade level	10-12
Description	In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.
Prerequisites	Introduction to Cosmetology and completion of 125 clock hours. Fees may be incurred for projects.

Course	COSMETOLOGY II w/ LAB P
Course number	8722.H (Y)
Service ID	13025310
Credit	3.0 elective credits
Grade level	11-12
Description	In Cosmetology II, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills.
Prerequisites	Cosmetology I.

Course	PRINCIPLES OF COSMETOLOGY DESIGN AND COLOR THEORY P
Course number	8708.R(Y)
Service ID	13025050
Credit	1.0 elective credits
Grade level	9-10
Description	In Principles of Cosmetology Design and Color Theory, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Students will attain academic skills and knowledge as well as technical knowledge and skills related to cosmetology design and color theory. Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the TDLR requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.
Prerequisites	Recommended prerequisite: Principles of Human Services. Students may begin to earn Texas Department of Licensing and §130.J. Human Services Page 22 August 2018 Update Regulation (TDLR) hours toward a Cosmetology Operator License.

Course	MICROBIOLOGY AND SAFETY FOR COSMETOLOGY CAREERS
Course info	8709.R(Y)
Service ID	N1302540
Credit	1.0 elective credit
Grade level	9-12
Description	Students who enroll in Microbiology and Safety for Cosmetology Careers will receive instruction in the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, identification of microorganisms, drug-resistant organisms, and emerging diseases. Additionally, students will explore and apply concepts as they apply to the safety and health of individuals pursuing a career in cosmetology services. This course also includes an opportunity for students to solve an in-depth analytical problem concerning occupational health and safety in cosmetology.
Prerequisites	None

Information Technology Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Information Technology	Computer Maintenance	Networking	Computer Technician Practicum

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Information Technology	Computer Programming I ***or*** Digital Media	Computer Programming II ***or*** Web Technologies	Practicum in Information Technology

The Information Technology (IT) Career Cluster focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

Course	PRINCIPLES OF INFORMATION TECHNOLOGY B S
Course number	8800.H(Y) 8800.R(Y)
Service ID	13027200
Credit	1.0 elective credit
Grade level	9-10
Description	In Principles of Information Technology, students will develop computer abilities and skills to use existing and new technologies found in schools, and in the worldwide workplace. Students will learn to use skills to get along well with others, and to prepare for changes in workplace conditions. Students will improve reading, writing, math/calculating, communication, and thinking skills and apply them to better use computers and information technology in school, and in the workplace.
Prerequisites	Recommended: Touch System Data Entry

Course	COMPUTER MAINTENANCE B S
Course number	8801.H(Y) 8801.R(Y)
Service ID	13027300
Credit	1.0 elective credit
Grade level	10-12
Description	In Computer Maintenance, students will acquire knowledge of computer maintenance and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies.
Prerequisites	Principles of Information Technology. Recommended: Touch System Data Entry

Course	COMPUTER TECHNICIAN PRACTICUM, 1st and 2nd time taken B S
Course number	8810.H(Y) 8820.H(Y)
Service ID	13027500 (1st time taken) 13027510 (2nd time taken_
Credit	2.0 elective credits
Grade level	10-12
Description	Students gain knowledge and skills in computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society.
Prerequisites	Computer Maintenance, Networking and 16 years of age

Course	PRACTICUM IN INFORMATION TECHNOLOGY, 1st time taken B
Course number	8813.H(Y)
Service ID	13028000
Credit	2.0 elective credits
Grade level	12
Description	In Practicum in Information Technology students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. This capstone course includes knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation.
Prerequisites	Minimum of two Information Technology cluster courses. Recommended: 16 years of age

Course	WEB COMMUNICATIONS B S
Course number	7012.R(X)
Service ID	03580810
Credit	0.5 elective credit
Grade level	9
Description	Web Communications provides students with the opportunity to analyze and implement the proper and acceptable use of digital/virtual communications technologies and apply decisions regarding the selection, acquisition and sharing of web resources. During this analysis, students will practice the incorporation of real- world applications including taking into consideration quality, appropriateness and effectiveness; examination of the ethical and legal issues surrounding acquisition of digital information; and identification and discussion of the impact of emerging technologies.
Prerequisites	n/a

Course	WEB DESIGN B
Course number	7013.H(Y) 7013.R(Y)
Service ID	03580820
Credit	1.0 elective credit
Grade level	9-12
Description	Web Design provides students with the opportunity to use digital media and environments to analyze and implement the proper and acceptable use of digital/virtual communications technologies; identify and discuss emerging technologies and their impact; and understand Internet history and structure. Students investigate how these areas impact current use as well as acquire, evaluate, and use various web standards as World Wide Web Consortium (W3C), Ecma International, and Internet Corporation for Assigned Names and Numbers (ICANN) to make informed decisions and implement standards in original work. Students also summarize the technical needs of a World Wide Web server; develop proficiency in the use of a variety of electronic input devices by incorporating such components while publishing web pages as well as learn basic design principles when creating a website.
Prerequisites	n/a

Course	INDEPENDENT STUDY IN TECHNOLOGY APPLICATIONS S
Course number	7110.H(Y) First time taken 7120.H(Y) Second time taken 7130.H(Y) Third time taken
Service ID	First time taken 03580900 Second time taken 03581000 Third time taken 03581100
Credit	1.0 elective credit
Grade level	9-12
Description	Independent Study in Technology Applications allows students to study technology applications foundations, such as technology-related terms, concepts, and data input strategies to communicate information in different formats to diverse audiences using a variety of technologies. Students practice making informed decisions to develop/produce original work appropriate to the selected profession or discipline and publish the product in electronic media and print. Skill-building in search strategies are utilized to access, analyze, and evaluate the acquired information. Individuals and groups solve problems, select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. This course may be taken up to three times for state elective credit.
Prerequisites	A minimum of one credit from the courses in the Information Technology Career Cluster and permission of the instructor/mentor for Independent Study in Technology Applications.

Course	INDEPENDENT STUDY IN EVOLVING/EMERGING TECHNOLOGIES B
Course number	7210.H(Y) First time taken 7220.H(Y) Second time taken 7230.H000.Y Third time taken
Service ID	First time taken 03581500 Second time taken 03581600 Third time taken 03581700
Credit	1.0 elective credit
Grade level	9-12
Description	Independent Study in Evolving/Emerging Technologies I provides students with the opportunity to study and explore evolving/emerging technologies, including technology-related terms, concepts, and data input strategies. Students learn to make informed decisions, develop and produce original work that exemplifies the standards identified by the selected profession or discipline, and publish the product in electronic media and print. Throughout the course, students demonstrate efficient acquisition of information by identifying task requirements, using search strategies, and using technology to access, analyze, and evaluate the acquired information. This course may be taken up to three times for state elective credit.
Prerequisites	A minimum of one credit from the courses in the Information Technology Career Cluster and permission of the instructor/mentor for Independent Study in Evolving/Emerging Technologies.

Course	ADVANCED USER EXPERIENCE (UX) DESIGN
Course number	8817.R(Y)
Service ID	N1302814
Credit	1.0 elective credit
Grade level	10-11
Description	The Advanced User Experience (UX) Design course allows students to apply skills in science and art to make technology useful, meaningful, memorable and accessible to all users. Students will use knowledge from the Foundations of User Experience Design course to expand the research, design, programming, testing, and communication skills essential for success in this user-focused career field.
Prerequisites	Recommended prerequisites: Foundations of User Experience Design

Course	CYBER CITIZENSHIP
Course number	8818.R(Y)
Service ID	N1260001
Credit	0.5 elective credit
Grade level	9-12
Description	This course educates students regarding evolving platforms of social media and familiarizes them with their use. Cyber Citizenship will highlight the controversial issues associated with social media, including the laws regarding social media, inappropriate usage, and online harassment.
Prerequisites	None

Course	FOUNDATIONS OF USER EXPERIENCE (UX)
Course number	8816.R(Y)
Service ID	N1302809
Credit	1.0 elective credit
Grade level	10-12
Description	In Foundations of User Experience (UX), students will analyze and assess current trends in a fast-growing career field that creates meaningful, approachable, and compelling experiences for users of an array of products, services, and or initiatives of companies, governments, and organizations. Students will gain knowledge of introductory observation and research skills; basic design thinking and applied empathy methodologies; collaborative problem-solving ideation; and interaction design and solution development.
Prerequisites	Recommended prerequisites: Digital Media or Principles of Information Technology

Law and Public Service Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Law, Public Safety, Corrections & Security	Law Enforcement I	Forensic Science	Law Enforcement II ***or*** Criminal Investigations

Sample Course Sequence

Year 3	Year 4
Firefighter I	Firefighter II

The Law and Public Safety Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services.

Course	**PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY P**
Course number	8830.R(Y)
Service ID	13029200
Credit	1.0 elective credit
Grade level	9-12
Description	Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire safety, security, and corrections.
Prerequisites	

Course	**LAW ENFORCEMENT I P**
Course number	8831.R(Y)
Service ID	10329300
Credit	1.0 elective credit
Grade level	10-12
Description	Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, the classification and the elements of crime.
Prerequisites	Recommended: Principles of Law, Public Safety, Corrections and Security

Course	**LAW ENFORCEMENT II P**
Course number	8832.H(Y)
Service ID	13029400
Credit	1.0 elective credit
Grade level	10-12
Description	Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities of criminal and, civil law and procedure, and courtroom testimony.
Prerequisites	Recommended: Law Enforcement I

Course	**FORENSIC SCIENCE P**
Course number	8833.H(Y)
Service ID	13029500
Credit	1.0 science credit
Grade level	11-12
Description	Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biology and Chemistry. Recommended prerequisite or co-requisite: any Law, Public Safety, Corrections, and Security Career Cluster course. Students must meet the 40% laboratory and fieldwork requirement.

Course	**CRIMINAL INVESTIGATION P**
Course number	8834.R(Y)
Service ID	13029550
Credit	1.0 elective credit
Grade level	10-12
Description	Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures to follow up during investigations. Students will learn terminology and investigative procedures related to criminal activity, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence and other types of evidence.
Prerequisites	Recommended: Principles of Law, Public Safety, Corrections and Security

Course	**COURT SYSTEMS AND PRACTICES P**
Course number	8835.R(Y)
Service ID	13029600
Credit	1.0 elective credit
Grade level	10-12
Description	Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and thorough examining of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.
Prerequisites	Recommended: Law Enforcement I

Course	CORRECTIONAL SERVICES P
Course number	8836.H(Y)
Service ID	13029700
Credit	1.0 elective credit
Grade level	10-12
Description	In Correctional Services students prepare for certification required for employment as a correctional officer. The student will learn the role and responsibilities of a correctional officer; relevant rules, regulations, and laws; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the correctional setting. The student will analyze rehabilitation and alternatives to institutionalization.
Prerequisites	Recommended: Principles of Law, Public Safety, Corrections and Security. Additional Requirement: Prior to acceptance, students must undergo a criminal background check and must be clear of any misdemeanor or felony convictions.

Course	FIREFIGHTER I P
Course number	8837.H(Y)
Service ID	13029900
Credit	2.0 elective credits
Grade level	10-12
Description	Firefighter I introduces students to firefighter safety and development. Students will analyze the Texas Commission on Fire Protection rules, regulations, proper incident reporting, records, proper use of personal protection equipment, and the principles of fire safety. Students will be introduced to candidate physical ability training.
Prerequisites	Recommended: Principles of Law, Public Safety, Corrections and Security, Touch System Data Entry

Course	FIREFIGHTER II P
Course number	8838.H(Y)
Service ID	13030000
Credit	3.0 elective credits
Grade level	11-12
Description	Firefighter II is the second in a series for students studying firefighter safety and development. Students will understand Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety. Students will learn procedures for use of fire extinguishers, ladder, fire hose, and water supply apparatus. Upon completion of the two-year program, a student may be eligible to receive the TCFP Basic Fire Suppression Certification.
Prerequisites	Firefighter I. Recommended: Principles of Law, Public Safety, Corrections, and Security.

Course	PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY, 1st and 2nd time taken P
Course number	8815.H(Y) (1st time taken) 8825.H(Y) (2nd time taken)
Service ID	13030100 (1st time taken) 13030110 (2nd time taken)
Credit	2.0 elective credits
Grade level	11-12
Description	The practicum course is a capstone experience for students participating in a coherent sequence of courses in the Law, Public Safety, Corrections, and Security cluster. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.
Prerequisites	16 years of age

Course	PRACTICUM IN LOCAL, STATE, AND FEDERAL GOVERNMENT P
Course number	8650.H(Y)
Service ID	13019000
Credit	2.0 elective credits
Grade level	11-12
Description	Students in the Practicum in Local, State, and Federal Government will concurrently learn advanced concepts of political science and government workings in the classroom setting and in the workplace. In addition, students will apply technical skills pertaining to government and public administration in a direct mentorship by individuals in professional settings such as government, public management and administration, national security, municipal planning, foreign service, revenue, taxation, and regulation.
Prerequisites	16 years of age

Course	DISASTER RESPONSE
Course info	8809.R(Y)
Service ID	N1303011
Credit	1.0 elective credits
Grade level	9-12
Description	This course covers basic training of students in disaster survival and rescue skills. Students will receive education, training, and volunteer service to make communities safer, stronger, and better prepared to respond to the threats of terrorism, crime, public health issues, and disasters of all kinds.
Prerequisites	Recommended: Principles of Law, Public Safety, Corrections, and Security.

Course	EMERGENCY MEDICAL TECHNICIAN BASIC
Course info	8839.H(Y)
Service ID	N1303015
Credit	2.0 elective credits
Grade level	11-12
Description	Students in this course meet and exceed standard knowledge needed to be a valid Emergency Medical Technician (EMT), skills including providing entry-level emergency medical care, life support, and ambulance service. This is an introductory course to concepts, knowledge, and skills needed by EMTs in the areas of communications, transportation, and recordkeeping. Students interested in working in public safety, including fire, police, and ambulance operators, will be capable of performing the job expectations of an EMT safely and effectively after the completion of this course
Prerequisites	Recommended: Principles of Law, Public Safety, Corrections, and Security; and Anatomy and Physiology.

Course	LEGAL RESEARCH AND WRITING
Course info	8812.H(Y)
Service ID	N1303014
Credit	1.0 elective credit
Grade level	10-12
Description	Legal Research and Writing provides an introduction into the study and practice of legal writing and research. This course is designed to introduce students to the methods and tools used to conduct legal research, develop and frame legal arguments, produce legal writings such as briefs, memorandums, and other legal documents, student U.S. Constitutional law, and prepare for appellate arguments.
Prerequisites	Recommended: Course Systems and Practices

Course	DIMENSIONS OF DIPLOMACY
Course number	8641.R(Y)
Service ID	N1301820
Credit	1.0 elective credit
Grade level	11-12
Description	Dimensions of Diplomacy is designed to allow students to master the Thirteen Dimensions that candidates interested in careers with the United States Department of State must demonstrate during the selection process for internships, scholarships, fellowships, and career opportunities. Students will develop global competencies, problem-solving, decision-making, professional communication and negotiation skills applicable to all clusters and professions but particularly relevant to international diplomacy and careers with multinational firms.
Prerequisites	Recommended prerequisites: Principles of Government and Public Administration, Political Science I, and/or Foreign Service and Diplomacy; two levels of languages other than English (LOTE). Recommended co-requisite: Statistics and/or Psychology

Manufacturing Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Manufacturing	Precision Metal Manufacturing I	Precision Metal Manufacturing II ***or*** Manufacturing Engineering Tech I	Manufacturing Engineering Tech II

The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Course	PRINCIPLES OF MANUFACTURING B S
Course number	8630.R(Y)
Service ID	13032200
Credit	1.0 elective credit
Grade level	9-12
Description	Students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of principles of manufacturing, the design of technology, the efficient production of technology, and the assessment of the effects of manufacturing production technology prepare students for success in the modern world.
Prerequisites	Recommended: Algebra 1 or Geometry

Course	PRECISION METAL MANUFACTURING I B T S
Course number	8614.H(Y)
Service ID	13032500
Credit	2.0 elective credits
Grade level	10-12
Description	Precision Metal Manufacturing I will provide the knowledge, skills, and technologies required for employment in precision machining. While the course is designed to provide necessary skills in machining, it also provides a real-world foundation for any engineering discipline. This course may address a variety of materials such as plastics, ceramics, and wood in addition to metal. Students will develop knowledge of the concepts and skills related to precision metal manufacturing to apply them to personal and career development. This course supports integration of academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success. This course is designed to provide entry-level employment.
Prerequisites	Recommended: Principles of Manufacturing and completion of or concurrent enrollment in Algebra I or Geometry

Course	PRECISION METAL MANUFACTURING II B T S
Course number	8624.H(Y)
Service ID	13032600
Credit	2.0 elective credits
Grade level	11-12
Description	Precision Metal Manufacturing II will provide the knowledge, skills, and technologies required for employment in precision machining. While the course is designed to provide necessary skills in machining, it also provides a real-world foundation for any engineering discipline. This course may address a variety of materials such as plastics, ceramics, and wood in addition to metal. Students will develop knowledge of the concepts and skills related to precision metal manufacturing to apply them to personal and career development. This course supports integration of academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success. This course is designed to provide entry-level employment.
Prerequisites	Precision Metal Manufacturing I

Course	MANUFACTURING ENGINEERING TECHNOLOGY I B S
Course number	8617.R(Y)
Service ID	13032900
Credit	1.0 elective credit
Grade level	10-12
Description	In Manufacturing Engineering Technology I, students will gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Students will prepare for success in the global economy. The study of manufacturing engineering will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting.
Prerequisites	Recommended: Algebra 1

Course	MANUFACTURING ENGINEERING TECHNOLOGY II B S
Course number	8627.H(Y)
Service ID	13032950
Credit	1.0 mathematics credit
Grade level	11-12
Description	In Manufacturing Engineering Technology II, students will gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. The study of Manufacturing Engineering Technology II will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.
Prerequisites	Manufacturing Engineering Technology I. Recommended: Algebra II, Computer Science I, or Physics.

Course	METAL FABRICATION AND MACHINING I
Course number	8619.R(Y)
Service ID	13032700
Credit	2.0 elective credit
Grade level	10-12
Description	The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering. Metal Fabrication and Machining I provides the knowledge, skills, and certifications required for equal employment opportunities in the metal production industry. Students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.
Prerequisites	Recommended prerequisite: Algebra I or Geometry

Course	PRACTICUM IN MANUFACTURING B S
Course number	8618.H(Y)
Service ID	13033000
Credit	2.0 elective credits
Grade level	12
Description	The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.
Prerequisites	

Science, Technology, Engineering and Mathematics (STEM) Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Applied Engineering	AC/DC Electronics	Solid State Electronics	Engineering Design & Problem Solving

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Introduction to Engineering Design	Engineering Design and Presentation	Digital Electronics	Practicum in Science, Technology, Engineering, and Mathematics

The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Course	PRINCIPLES OF BIOMEDICAL SCIENCE (PLTW) P S
Course number	8225HT00.Y
Service ID	N1302092
Credit	1.0 elective credit
Grade level	9-12
Description	Student work involves the study of human medicine, research processes and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia and infectious diseases. After determining the factors responsible for the death of a fictional person, students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Engineering principles including: the design process, feedback loops, fluid dynamics, and the relationship of structure to function are incorporated in the curriculum where appropriate. The course is designed to provide an overview of all the courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses.
Prerequisites	None

Course	HUMAN BODY SYSTEMS (PLTW) P S
Course number	8226. HT00.Y
Service ID	N1302093
Credit	1.0 elective credit
Grade level	10-12
Description	Students engage in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include: communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems are studied as "parts of a whole," working together to keep the amazing human machine functioning at an optimal level. Students design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation.
Prerequisites	Principles of Biomedical Science. Recommended: Biology

Course	MEDICAL INTERVENTIONS (PLTW) P S
Course number	8227.HT00.Y
Service ID	N1302094
Credit	1.0 elective credit
Grade level	10-12
Description	Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How To" manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection, how to screen and evaluate the code in human DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics. Interventions are showcased across the generations of the family and provide a look at the past, present and future of biomedical science. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important roles scientific thinking and engineering design play in the development of interventions of the future.
Prerequisites	Human Body Systems

Course	BIOMEDICAL INNOVATION (PLTW) P S
Course number	8228.HT00.Y
Service ID	N1302095
Credit	1.0 elective credit
Grade level	11-12
Description	This capstone course allows students to apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering and public health.
Prerequisites	Medical Interventions

Course	PRINCIPLES OF APPLIED ENGINEERING S B
Course number	8716.H(Y) 8716.R(Y)
Service ID	13036200
Credit	1.0 elective credit
Grade level	9-10
Description	This course introduces students to concepts and skills in engineering design. Students explore the engineering design process using relevant hardware and software to complete hands-on and group projects in a variety of areas. Subjects may include robotics, electronics, mechanical design, computer-aided drafting (CAD), and other career opportunities.
Prerequisites	None

Course	PRINCIPLES OF BIOSCIENCES S P
Course number	8717.R(Y)
Service ID	13036300
Credit	1.0 elective credit
Grade level	9-10
Description	Principles of Biosciences reinforces Biology content and provides an overview of biotechnology, bioengineering, and related fields. Topics include genetics, cell structure, proteins, nucleic acids, and the impact of immunological events in biotechnology. Students will further study the increasingly important agricultural, environmental, economic, and political roles of bioenergy and biological remediation; the roles of nanoscience and nanotechnology in biotechnology medical research; and future trends in biological science and biotechnology.
Prerequisites	None

Course	BIOTECHNOLOGY I S P
Course number	8713.H(Y)
Service ID	13036400
Credit	1.0 science credit
Grade level	11-12
Description	In Biotechnology I, students will apply science knowledge and skills to the fields of biotechnology such as agriculture, medical, and forensics. Students will use sophisticated laboratory equipment and practice quality-control techniques. Students will conduct investigations in the laboratory and in the field using scientific methods. Students in Biotechnology I will study a variety of topics that include structures and functions of cells, nucleic acids, proteins and genetics. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biology

Course	BIOTECHNOLOGY II S P
Course number	8723.H(Y)
Service ID	13036450
Credit	1.0 science credit
Grade level	11-12
Description	This course is the second course in the certificate program. It will focus on advanced skill techniques, protein assays and student designed research projects. It will also introduce students to industry standards and help in student employment or internship placements. Other activities will include industry speakers/field trips and collaboration with ACC and UT research projects. After taking this course, students should be prepared for entry-level lab technician jobs. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Biotechnology I and Chemistry.

Course	ENGINEERING DESIGN AND PRESENTATION I S B
Course number	8714.H(Y) 8714.R(Y)
Service ID	13036500
Credit	1.0 elective credit
Grade level	10-12
Description	Students will have the opportunity to demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.
Prerequisites	Algebra 1. Recommended: Principles of Applied Engineering.

Course	ENGINEERING DESIGN AND PRESENTATION II S B
Course number	8724.H(Y)
Service ID	13036600
Credit	2.0 elective credits
Grade level	11-12
Description	Students continue to explore uses of drafting and design in industry. Students will learn technical sketching and computer-aided modeling using software such as AutoCAD, Inventor, and SolidWorks as they follow the engineering design process. Students complete a portfolio of work begun in the prior course and have the opportunity to receive industry certifications. This course further develops the process of engineering thought and application of the design process.
Prerequisites	Algebra I and Geometry. Recommended: Engineering Design and Presentation I or Principles of Applied Engineering,

Course	ENGINEERING MATHEMATICS S
Course number	8718.R(Y)
Service ID	13036700
Credit	1.0 mathematics credit
Grade level	11-12
Description	Engineering Mathematics is a course in which students solve and model robotic design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.
Prerequisites	Algebra II

Course	ENGINEERING SCIENCE S B
Course number	8733.H(Y)
Service ID	13037500
Credit	1.0 science credit
Grade level	10-12
Description	Engineering Science is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem-solving skills that are involved in post-secondary education programs and engineering careers. They will explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change. The main purpose of this course is to experience through theory and hands-on problem-solving activities what engineering is about to answer the question, “Is a career in engineering or engineering technology for me?”
Prerequisites	Introduction to Engineering Design, Algebra I and Biology, Chemistry or Integrated Physics and Chemistry, Geometry.

Course	DIGITAL ELECTRONICS S B
Course number	8734.H(Y)
Service ID	13037600
Credit	1.0 mathematics credit
Grade level	10-12
Description	Digital electronics is a course of study in applied digital logic. The course is patterned after the first semester course in Digital Electronics taught in two- and four-year colleges. Students will study the application of electronic logic circuits and devices and apply Boolean logic to the solution of problems. Such circuits are found in watches, calculators, video games, computers, and thousands of other devices. The use of smart circuits is present in virtually all aspects of our lives and its use is increasing rapidly, making digital electronics an important course of study for a student exploring a career in engineering/engineering technology using Electronics Workbench (EWB), the industry standard. Students will test and analyze simple and complex digital circuitry. Students will design circuits, using EWB, export their designs to a printed circuit auto routing program that generates printed circuit boards and construct the design using chips and other components
Prerequisites	Algebra I and Geometry. Recommended: Introduction to Engineering Design.

Course	AC/DC ELECTRONICS S B
Course number	8730.R(Y)
Service ID	13036800
Credit	1.0 elective credit
Grade level	10-12
Description	AC/DC Electronics focuses on the basic electricity principles of alternating current/direct current (AC/DC) circuits. Students will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Through use of the design process, students will transfer academic skills to component designs in a project-based environment. Students will use a variety of computer hardware and software applications to complete assignments and projects. Additionally, students will explore career opportunities, employer expectations, and educational needs in the electronics industry.
Prerequisites	Recommended: Principles of Applied Engineering

Course	SOLID STATE ELECTRONICS S B
Course number	8731.H(Y)
Service ID	13036900
Credit	1.0 elective credit
Grade level	11-12
Description	In Solid State Electronics, students will demonstrate knowledge and applications of advanced circuits, electrical measurement, and electrical implementation used in the electronics and computer industries. Students will transfer advanced academic skills to apply engineering principles and technical skills to troubleshoot, repair, and modify electronic components, equipment, and power electronic systems in a project-based environment. Additionally, students will explore career opportunities, employer expectations, and educational needs in the electronics industry.
Prerequisites	AC/DC Electronics

Course	ROBOTICS I S
Course number	8715.R(Y)
Service ID	13037000
Credit	1.0 elective credit
Grade level	9-10
Description	In Robotics I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry
Prerequisites	Recommended: Principles of Applied Engineering

Course	ROBOTICS II S
Course number	8725.H(Y) 8725.R(Y)
Service ID	13037050
Credit	1.0 elective credit
Grade level	10-12
Description	In this course students will explore artificial intelligence and programming in the robotic and automation industry. Students will develop project management skills as they work in teams to design and develop their own automated robotic systems using a variety of tools. This course satisfies a high school mathematics graduation requirement.
Prerequisites	Robotics I

Course	PRINCIPLES OF TECHNOLOGY S
Course number	8719.R(Y)
Service ID	13037100
Credit	1.0 science credit
Grade level	10-12
Description	In Principles of Technology, students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40 percent of instructional time using safe practices. Texas law requires 40 percent lab and field investigations.
Prerequisites	One credit high school science and Algebra I

Course	SCIENTIFIC RESEARCH AND DESIGN I, II or III S D B
Course number	8761.H(Y) - I 8762.H(Y- II 8763.H(Y)- III
Service ID	13037200 - I 13037210 - II 13037220 - III
Credit	1.0 science credit
Grade level	11-12
Description	Scientific Research and Design is designed to allow schools flexibility to develop local curriculum to supplement any program. The course has the components of any rigorous scientific or engineering program, such as problem identification, investigation design, data collection, data analysis, formulation and presentation of conclusions. All components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high-skill, high-wage jobs and/or continue their education. Texas law requires 40 percent laboratory and field investigations and satisfies a high school science graduation requirement.
Prerequisites	Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics

Course	ENGINEERING DESIGN AND PROBLEM-SOLVING S B
Course number	8732.H(Y)
Service ID	13037300
Credit	1.0 science credit
Grade level	11-12
Description	Students complete hands-on, team-based projects across a variety of engineering fields that allow them to apply concepts learned in prior science and math courses with the engineering design process to explore how engineers design products for society. Possible projects could include aerodynamics, robotics, biotechnology, structural design and mechanical design. Texas law requires at least 40 percent lab and field investigations.
Prerequisites	Geometry and Algebra I. Recommended: Two STEM cluster credits

Course	PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS S B
Course number	8741.H(Y)
Service ID	13037400
Credit	2.0 elective credits
Grade level	12
Description	The practicum course is a capstone experience for students participating in a coherent sequence of career and technical education courses in the science, technology, engineering, and mathematics career cluster. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.
Prerequisites	Algebra I and Geometry. Recommended: Two STEM cluster credits and 16 years of age.

Course	INTRODUCTION TO ENGINEERING DESIGN (PLTW) S B
Course number	8735.H(Y)
Service ID	N1303742
Credit	1.0 elective credit
Grade level	9-12
Description	Introduction to Engineering Design is an introductory course, which develops student problem solving skills, with emphasis placed upon the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes. The course will emphasize the design development process of a product and how a model of that product is produced, analyzed and evaluated, using a Computer Aided Design System. Various design applications will be explored with discussion of possible career opportunities.
Prerequisites	Algebra I

Course	PRINCIPLES OF ENGINEERING) (PLTW) S B
Course number	8733.H(Y)
Service ID	13037500
Credit	1.0 science credit
Grade level	9-12
Description	In Principles of Engineering students explore a broad range of engineering topics including mechanisms, strength of structure and materials, and automation, and then they apply what they know to take on challenges like designing a self-powered car. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.
Prerequisites	Algebra I and Biology, Chemistry or Integrated Physics and Chemistry, Geometry.

Course	DIGITAL ELECTRONICS (PLTW) S B
Course number	8734.H(Y)
Service ID	13037600
Credit	1.0 mathematics credit
Grade level	10-12
Description	Students explore the foundations of computing by engaging in circuit design processes to create combinational logic and sequential logic (memory) as electrical engineers do in industry. 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.
Prerequisites	Algebra I and Geometry.

Course	COMPUTER INTEGRATED MANUFACTURING (PLTW) S B
Course number	8738.H(Y)
Service ID	N1303748
Credit	1.0 elective credit
Grade level	9-12
Description	This course builds upon the computer solid modeling design skills developed in the Introduction to Engineering Design. Students will be presented with design problems that require the use of Mechanical Desktop to develop solutions to the problems. They will evaluate the solutions using mass property analysis (study of the relationship among the design, function and materials used), make appropriate modifications and use rapid prototyping equipment to produce three-dimensional models of the solutions. Students will be expected to communicate the process and results of their work through oral and written reports.
Prerequisites	Introduction to Engineering Design and Principles of Engineering

Course	CIVIL ENGINEERING AND ARCHITECTURE (PLTW) S B
Course number	8737.H(Y)
Service ID	N1303747
Credit	1.0 elective credit
Grade level	10-12
Description	This course provides an overview of the fields of civil engineering and architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real work problems and communicate solutions to hands-on projects and activities.
Prerequisites	Introduction to Engineering Design and Principles of Engineering

Course	AEROSPACE ENGINEERING (PLTW) S B
Course number	8736.H(Y)
Service ID	N1303745
Credit	1.0 elective credit
Grade level	11-12
Description	Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering.
Prerequisites	Introduction to Engineering Design, Principles of Engineering, and Digital Electronics

Course	ENGINEERING DESIGN & DEVELOPMENT (PLTW) S B
Course number	8739.H(Y)
Service ID	N1303749
Credit	1.0 elective credit
Grade level	11-12
Description	In this course, the knowledge and skills students acquire throughout PLTW Engineering come together 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 a document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary problem or career.
Prerequisites	Introduction to Engineering Design, Principles of Engineering and Digital Electronics

Course	FUNDAMENTALS OF COMPUTER SCIENCE S D
Course number	7000.R(Y) 7000.H(Y)
Service ID	03580140
Credit	1.0 elective credit
Grade level	9-12
Description	The Fundamentals of Computer Science course is intended as a first course for those students just beginning the study of computer science. Students will learn about the computing tools that are used every day through creative and innovative opportunities to use problem-solving and reasoning skills to design, implement, debug, and present solutions to real-world situations. Students will gain an understanding of the principles of computer science through the study of technology operations and concepts. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Ethical implications for the misuse of technology will be discussed regarding its effects on systems and societies.
Prerequisites	Proficiency in the knowledge and skills relating to Technology Applications, grades six through eight

Course	COMPUTER SCIENCE I S D
Course number	7010.H(Y)
Service ID	03580200
Credit	1.0 elective credit
Grade level	9-12
Description	Computer Science provides students with an opportunity to study foundational technology applications. Students will practice the use of technology-related concepts and terms as well as data input strategies such as exploration of LAN and WAN networks, search terminology, and basic coding to make informed decisions about technologies and their applications. Students will work individually and collaboratively to evaluate information, apply technology as a tool for problem solving, and communicate information in a variety of formats to a diverse audience. Ethical implications for the misuse of technology will be discussed regarding its effects on systems and societies.
Prerequisites	Algebra I

Course	COMPUTER SCIENCE II S
Course number	7020.H(Y)
Service ID	03580300
Credit	1.0 elective credit
Grade level	11-12
Description	In Computer Science II students will continue their study of technological applications. Students will extend best practices regarding the use of technology-related concepts and terms as well as data input strategies such as exploration of deeper algorithmic applications (e.g., greedy algorithms) and artificial intelligence/robotics. Students will work individually and collaboratively to evaluate information, apply technology as a tool for problem solving, and communicate information in various formats to a diverse audience. Ethical implications for the misuse of technology will be discussed regarding its effects on systems and societies.
Prerequisites	Algebra I and either Computer Science I or Fundamentals of Computer Science

Course	COMPUTER SCIENCE III S
Course number	7030.H(Y)
Service ID	03580350
Credit	1.0 elective credit
Grade level	11-12
Description	In Computer Science III students will further their study of technological applications. Students will build upon best practices regarding the use of technology-related concepts and terms as well as data input strategies such as the creation of discovery programs in low-level, high-level, and scripting languages as well as creating a small workgroup network. Students will work individually and collaboratively to evaluate information, apply technology as a tool for problem solving, and communicate information in different formats to a diverse group of audiences. Ethical implications for the misuse of technology will be discussed regarding its effects on systems and societies.
Prerequisites	Computer Science II, Advanced Placement (AP) Computer Science A, or International Baccalaureate (IB) Computer Science

Course	AP COMPUTER SCIENCE A S
Course info	7610.P00M.Y (1.0 mathematics/elective credit) 7610.P00L.Y (1.0 LOTE/elective credit)
Service ID	7610.P00M.Y: A3580110 7610.P00L.Y: A3580120
Grade level	9-12
Description	This course prepares students to design and implement solutions to problems by writing, running, and debugging computer programs. It emphasizes programming methodology, procedural abstraction, and in- depth study of algorithms, data structures, and data abstractions. Students code fluently in an object-oriented paradigm using Java.
Prerequisites	Recommended: Computer Science I, Algebra II, or a student should be comfortable with functions and the concepts found in the uses of functional notation such as $f(x) = x + 2$ and $f(x) = g(h(x))$

Course	AP COMPUTER SCIENCE PRINCIPLES S
Course info	7616.P(Y)
Service ID	A3580300
Credit	1.0 elective credit
Grade level	10-12
Description	AP Computer Science Principles is designed to attract a greater diversity of students to the field, focusing on creative problem-solving, computational practices, programming, the internet and real-world applications to better prepare them for college and career. Students will collaborate to build creative applications such as mobile apps, digital music files and animations. This course is designed to support students' interest in a variety of careers fields such as graphic design, medicine, political science, engineering and other STEAM fields. Students do not need previous computer science experience to take this course.
Prerequisites	Recommended: Algebra 1

Course	DIGITAL FORENSICS S
Course number	7001.R(Y)
Service ID	03580360
Credit	1.0 elective credit
Grade level	9-12
Description	Digital Forensics provides students a survey of the field of digital forensics and incident response. Digital Forensics will foster students' creativity and innovation by presenting opportunities to investigate simulations and case studies of crimes, reconstructing computer security incidents, troubleshooting operational problems, and recovering from accidental system damage. Students will collaborate to develop forensic techniques to assist with computer security incident response.
Prerequisites	Proficiency in the knowledge and skills relating to Technology Applications

Course	GAME PROGRAMMING AND DESIGN S
Course number	7003.R(Y)
Service ID	03580380
Credit	1.0 elective credit
Grade level	9-12
Description	Game Programming and Design fosters student creativity and innovation by presenting students with opportunities to design, implement, debug, and present meaningful programs through a variety of media through collaboration with others to solve gaming problems. Students use data analysis skills to identify task requirements, plan search strategies, use programming concepts to access, analyze, and evaluate information needed to design games. Students create a computer game that is presented to an evaluation panel. Students learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Ethical implications for the misuse of technology are discussed regarding its effects on systems and societies.
Prerequisites	Algebra I

Course	MOBILE APPLICATION DEVELOPMENT S
Course number	7004.R(Y)
Service ID	03580390
Credit	1.0 elective credit
Grade level	9-12
Description	Mobile Application Development fosters students' creativity and innovation by presenting opportunities to design, implement, debug, and deliver meaningful projects using mobile computing devices through problem solving and collaboration. Students gain an understanding of the principles of mobile application development through the study of development platforms, programming languages, and software design standards. Through data analysis, students identify task requirements, plan search strategies, and use software development concepts to access, analyze, and evaluate information needed to program mobile devices. Students learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Ethical implications for the misuse of technology are discussed regarding its effects on systems and societies.
Prerequisites	Proficiency in the knowledge and skills relating to Technology Applications, grades six through eight, and Algebra I

Course	FOUNDATIONS OF CYBERSECURITY D S
Course info	7015.R(Y)
Service ID	03580850
Credit	1.0 elective credit
Grade level	9-12
Description	This course develops the knowledge and skills needed to master fundamental concepts of cybersecurity. Students in the course will develop a basic foundation for continuing their cybersecurity education and choosing a career in the cybersecurity field. Students will explore the challenges facing information security professionals related to ethics, system security, network security, and application security. Students will conduct risk assessments and develop and implement security policies to mitigate those risks. Students will examine trends in cyber-attacks, common vulnerabilities, and the emergence of cyber terrorism.
Prerequisites	None

Course	QUALITY ASSURANCE FOR BIOSCIENCES
Course number	8127.R(Y)
Service ID	N1303771
Credit	1.0 elective credit
Grade level	11-12
Description	Quality Assurance for the Biosciences is designed to introduce the student to quality principles and regulatory affairs as they apply to the biotechnology, biopharmaceutical, and the biomedical device industries.
Prerequisites	Prerequisite: Biotechnology 1

Transportation, Distribution, and Logistics Cluster

Sample Course Sequence

Year 1	Year 2	Year 3	Year 4
Principles of Transportation Systems	Automotive Basics ***or*** Basic Collision Repair & Refinishing	Automotive Technology I – Maintenance & Light Repair ***or*** Collision Repair	Automotive Technology II – Automotive Service ***or*** Paint & Refinishing ***or*** Practicum in Transportation Systems

The Transportation, Distribution, and Logistics Career Cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

Course	**PRINCIPLES OF TRANSPORTATION SYSTEMS B**
Course number	8900.R(Y)
Service ID	13039250
Credit	1.0 elective credit
Grade level	9-12
Description	Students will gain knowledge that includes the history, laws and regulations, and common practices used in the transportation industry. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.
Prerequisites	None

Course	**AUTOMOTIVE BASICS B**
Course number	8901.H(Y) 8901.R(Y)
Service ID	130395550
Credit	1.0 elective credit
Grade level	9-12
Description	Automotive Basics includes knowledge of the automotive systems and the theory and principles of the components that make up each system and how to service [diagnosing and serving] these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics students will gain knowledge and skills in the repair, maintenance, and servicing [diagnosis] of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use and employability.
Prerequisites	None

Course	**AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR B**
Course number	8911.H(Y) 8911.R(Y)
Service ID	13039600
Credit	2.0 elective credits
Grade level	9-12
Description	Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. The focus of this course is to teach vehicle maintenance and light repair.
Prerequisites	Recommended: Automotive Basics

Course	**AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE B**
Course number	8921.H(Y)
Service ID	13039700
Credit	2.0 elective credits
Grade level	11-12
Description	Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Service includes applicable safety and environmental rules and regulations. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course upon graduation is to prepare the students for entering the workforce.
Prerequisites	Automotive Technology I: Maintenance and Light Repair

Course	**BASIC COLLISION REPAIR AND REFINISHING B**
Course number	8902.H(Y) 8902.R(Y)
Service ID	13039750
Credit	1.0 elective credit
Grade level	9-12
Description	Basic Collision Repair and Refinishing include knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.
Prerequisites	

Course	COLLISION REPAIR B
Course number	8912.R(Y)
Service ID	13039800
Credit	2.0 elective credits
Grade level	10-12
Description	Collision Repair includes knowledge of the processes, technologies, and materials used in the reconstruction [and alteration] of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing.
Prerequisites	Recommended: Basic Collision Repair and Refinishing

Course	PAINT AND REFINISHING B T
Course number	8903.H(Y)
Service ID	13039900
Credit	2.0 elective credits
Grade level	10-12
Description	Paint and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction [and alteration] of vehicles. This course is designed to teach the concepts and theory of systems related to automotive paint [collision repair] and refinishing.
Prerequisites	Recommended: Collision Repair or Basic Collision Repair and Refinishing

Course	PRACTICUM IN TRANSPORTATION SYSTEMS, 1st and 2nd time taken B
Course number	8913.H(Y) 8923.H(Y)
Service ID	13040450 (1st time taken) 13040460 (2nd time taken)
Credit	2.0 elective credits
Grade level	11-12
Description	Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or worked based.
Prerequisites	16 years of age

Course	INTRODUCTION TO AEROSPACE AND AVIATION
Course info	8904.R000.Y
Service ID	N1304672
Credit	1.0 elective credit
Grade level	9-11
Description	The Introduction to Aerospace and Aviation course will provide the foundation for advanced exploration in the areas of professional pilot, aerospace engineering, and unmanned aircraft systems. Students will learn about the history of aviation, from Leonardo da Vinci's ideas about flight to the Wright brothers and the space race. Along the way, students will learn about the innovations and technological developments that have made today's aviation and aerospace industries possible. The course includes engineering practices, the design process, aircraft structure, space vehicles past and present, and a look toward future space exploration.
Prerequisites	None

Course	CONCEPTS OF DISTRIBUTION AND LOGISTICS TECHNOLOGY
Course number	8907.R(Y)
Service ID	N1303800
Credit	1.0 elective credit
Grade level	10-12
Description	The Concepts of Distribution and Logistics Technology course will provide students with a broader basis for understanding the technology of managing, storing, shipping, and receiving different materials.
Prerequisites	None

Course	LOGISTICS ENGINEERING
Course number	8908.R(Y)
Service ID	N1303801
Credit	1.0 elective credit
Grade level	11-12
Description	The purpose of the Logistics Engineering course is to prepare students for supply chain management (SCM) logistics professions and the required certifications and postsecondary education requirements for each.
Prerequisites	Recommended prerequisites: Principles of Distribution and Logistics and Distribution and Logistics

Career Development

Course	CAREER PREPARATION I B
Course number	8110.H(Y)
Service ID	12701300
Credit	2.0 elective credit
Grade level	11-12
Description	Career Preparation I provides opportunities for students to participate in a learning experience combining classroom instruction with paid business and industry employment experiences. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, including job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations and portfolio development. Students meet daily for classroom instruction and complete a minimum of 10 hours (two credits), five of which must be completed during the school week. This course is not offered as pass/fail.
Prerequisites	One credit in a Career and Technical Education course, 16 years of age and own transportation to training site

Course	PROJECT-BASED RESEARCH I, II or III
PBR I	8210.H000.Y (Service ID: 12701500)
PBR II	8220.H000.Y (Service ID 12701510)
PBR III	8230.H000.Y (Service ID 12701520)
Credit	1.0 elective credit
Grade level	11-12
Description	Project-Based Research is a course for students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests. Students use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.
Prerequisites	None

Course	APPLIED MATHEMATICS FOR TECHNICAL PROFESSIONALS
Course number	8001.N(X)
Service ID	12701410
Credit	1.0 mathematics credit
Grade level	11-12
Description	Applied Mathematics for Technical Professionals uses problem-solving situations, hands-on activities, and technology to extend mathematical thinking and engage student reasoning. Situations relating to technical applications provide students opportunities to make connections with mathematics and the workplace. In addition, students will learn the skills necessary to communicate using mathematics. Hands-on activities will allow students to model, explore, and develop abstract concepts applicable to technical careers.
Prerequisites	Algebra 1 and Geometry

Course	GENERAL EMPLOYABILITY SKILLS
Course number	8002.R000.Y / W000.Y
Service ID	N1270153
Credit	1.0 elective credit
Grade level	9-12
Description	This course will provide instruction in general employability skills as well as the prerequisite skills for general employability. Employability skills are the skills and attitudes that allow employees to get along with their co-workers, make important work-related decisions and become strong members of the work team
Prerequisites	None

Course	STUDENT TO INDUSTRY CONNECTION
Course number	8111.R000.Y / W000.Y
Service ID	N1270154
Credit	1.0 elective credit
Grade level	11-12
Description	The Student to Industry Connection course provides students with the opportunity to develop professional relationships with experienced individuals within the student's chosen program of study and to demonstrate necessary skills for an online virtual workplace. The central focus of this course is to prepare students to be 21st century career ready through interaction with a seasoned workplace mentor. The course may include a work-based learning component. Instruction will support students with marketable skills attainment.
Prerequisites	Recommended prerequisite: successful completion of two career and technical education courses. The course may include a work-based learning component

Military Science

The Junior Reserve Officers Training Corps (JROTC) is a four-year program co-sponsored by the school district and the U.S. Air Force. The JROTC program provides students the opportunity to become informed and responsible citizens, develop leadership and self-discipline skills, and become involved in their school and community. The JROTC is coeducational and includes extracurricular activities. After school activities are voluntary. There is no military obligation associated with or incurred by being in the JROTC program. The JROTC class can satisfy the PE requirements for graduation.

Course	**AEROSPACE SCIENCE I (AFJROTC 1) P**
Course number	6010.R(Y) (PE credit, see description below) 9001.R(Y) (Military Science credit, see description below)
Service ID	03160100
Credit	1.0 elective credit
Grade level	9-12
Description	Note: Course number 6010 allows a student to earn PE credit, while course number 9001 allows a student to earn Military Science credit. Course number 9001 is to be used only if a student has already satisfied or is currently satisfying his physical education requirement with a different course or PE substitution. Course number 9001 may not be used to indicate a PE credit, to satisfy a PE requirement, or in conjunction with the Physical Education course. This course focuses on the development of flight throughout the centuries. The emphasis on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. Leadership I introduces cadets to AFJROTC. It contains sections on cadet and Air Force organizational structure, uniform wear; customs, courtesies, other military traditions, and the importance of good citizenship. Instruction is given on military drill and ceremonies. The wellness program focuses on nutrition, exercise, and physical fitness.
Prerequisites	None

Course	**AEROSPACE SCIENCE II (AFJROTC 2) P**
Course number	9002.R(Y)
Service ID	03160200
Credit	1.0 elective credit
Grade level	10-12
Description	Advanced Aerospace Science courses acquaint students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival. Refer to specific campus syllabus for specific course information. Leadership II stresses communications skills and cadet corps activities. Information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Instruction is given on military drill and ceremonies. The wellness program focuses on nutrition, exercise, and physical fitness.
Prerequisites	AFJROTC I or senior aerospace science instructor (SASI) approval

Course	**AEROSPACE SCIENCE III (AFJROTC 3) P**
Course number	9003.R(Y)
Service ID	03160300
Credit	1.0 elective credit
Grade level	10-12
Description	Advanced Aerospace Science courses acquaint students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival. Refer to specific campus syllabus for specific course information. Leadership III helps students decide which path to take after high school. Information is provided on job search and how to apply for admission to college or to a vocational or technical school. Financial planning is covered on how to save, invest, and spend money wisely. There is information on how to prepare a resumé and the importance of good interviewing skills. Instruction is given on military drill and ceremonies. The wellness program focuses on nutrition, exercise, and physical fitness.
Prerequisites	AFJROTC II or SASI approval

Course	**AEROSPACE SCIENCE IV (AFJROTC 4) P**
Course number	9004.R(Y)
Service ID	03160400
Credit	1.0 elective credit
Grade level	12
Description	Advanced Aerospace Science courses acquaint students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival. Refer to specific campus syllabus for specific course information. Upper class cadets manage the entire corps under AFJROTC instructor supervision. Cadets are provided hands-on experience to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. The Leadership IV course covers the fundamentals of management. Emphasis is placed on allowing the student to see himself/herself as a leader/manager. Instruction is given on military drill and ceremonies. The wellness program focuses on nutrition, exercise, and physical fitness.
Prerequisites	AFJROTC III or SASI approval

Appendix A Grading Scale

This scale is used to compute numerical grades into the score that is used to determine honor roll status, grade point average, and rank in class. The end of semester grade is recorded on the student's transcript, the student's permanent record.
Career and Technical Education (CTE) courses are weighted if the teacher is approved to offer for college credit.

The INTEGRATED GRADING SCALE (IGS) consists of three tiers:

- **TIER I WEIGHTED LEVEL COURSES** include Advanced, Advanced Placement, International Baccalaureate, dual credit, ACC Tech credit, magnet, and other TEA-approved and district-identified weighted courses.
- **TIER II GENERAL EDUCATION COURSES** include grade-level-TEKS courses. TIER II also includes courses completed with limited modifications.
- **TIER III PRESCRIBED COURSES** include locally-developed modified TEKS courses, exit-level state assessment tutorial courses, and student-aide courses.

Numerical Grade	TIER I (5.0 scale)	TIER II (4.0 scale)	TIER III (3.0 scale)
100	5.0	4.0	3.0
99	4.9	3.9	2.9
98	4.8	3.8	2.8
97	4.7	3.7	2.7
96	4.6	3.6	2.6
95	4.5	3.5	2.55
94	4.4	3.4	2.5
93	4.3	3.3	2.4
92	4.2	3.2	2.3
91	4.1	3.1	2.2
90	4	3	2.15
89	3.9	2.9	2.1
88	3.8	2.8	2
87	3.7	2.7	1.9
86	3.6	2.6	1.8
85	3.5	2.5	1.7
84	3.4	2.4	1.6
83	3.3	2.3	1.55
82	3.2	2.2	1.5
81	3.1	2.1	1.4
80	3	2	1.3
79	2.9	1.9	1.2
78	2.8	1.8	1.15
77	2.7	1.7	1.1
76	2.6	1.6	1
75	2.5	1.5	0.9
74	2.4	1.4	0.8
73	2.3	1.3	0.7
72	2.2	1.2	0.6
71	2.1	1.1	0.55
70	2	1	0.5
69 and below	0	0	0

Honor Roll Status

The honor roll system recognizes and rewards notable academic achievement in secondary schools. Honor roll recognition is based on scholarship achievement only. It has no relationship to National Honor Society requirements, which include factors in addition to scholarship. Placement of secondary students on honor rolls will be determined on the basis of their grade point average (GPA) for the respective grading period. To be eligible for honor roll, a secondary student must have received an averageable grade from each of at least three courses. There are three levels of honor roll for middle and high school students.

Honor Roll Level	Middle School GPA	High School GPA
First Honor Roll	3.875 and above	3.5000 and above
Second Honor Roll	3.3333 to 3.8749	2.9000 to 3.4999
Third Honor Roll	2.833 to 3.3332	2.4000 to 2.8999

*If a student makes an F (failure), I (incomplete), or NG (no grade) during the six-weeks, the student is ineligible for the honor roll that six-weeks.

Appendix B Approved Dual Credit Courses for Austin Community College

The following Austin Community College courses have been pre-approved for dual credit for the AISD courses listed below. In some cases, prerequisite courses may be required by ACC. If multiple courses are listed, all are necessary to meet the dual credit requirements. Students enrolled in dual credit courses may request permission to take Challenge Exams in areas they feel academically prepared. In both instances, if the student meets ACC's expectations and the course is transcribed, AISD will accept these alternative methods for meeting dual credit requirements. Students who have satisfied course prerequisites may apply to Austin Community

College to take the following courses. Only courses listed here are pre-approved for dual credit. Other courses listed on the ACC website have not be pre-approved by AISD and will not be accepted for dual credit.

English Language Arts

Three-semester sequence for English III and IV credit

The following is a three-semester sequence for English III and IV credit.
Note: Permission to teach these courses must be obtained from the High School Office due to the integrated curriculum.

Semesters one and two

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
1003.N000.Y	English III #03220300	1.0	ENGL 1301 and ENGL 1302	English Composition I and English Composition II	3 3

Semester three

Fall semester only; students must successfully complete year 1 prior to taking this course:

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
1004.N000.X**	English IV #03220400	1.0	ENGL 2322 or ENGL 2323	British Literature: Anglo-Saxon Through 18th Century or British Literature: 18th Century to Present	3

**Either British Literature: Anglo-Saxon through 18th Century or British Literature: 18th Century to Present completes the requirement for English IV credit.

PTECH Students

1004.N00P.X**	English IV #03220400	1.0	ENGL 2311	Technical and Business Writing	3

Two-semester sequence for English IV credit only

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
1004.N000.Y	English IV #03220400	1.0	ENGL 1301 and ENGL 1302	English Composition I and English Composition II	3 3

Additional Language Arts courses

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
1009.N000.X	Creative Writing #03221200	1.0	ENGL 2307***	Beginning Creative Writing Prerequisite: ENGL1301	3
1046.N000.X	College Readiness and Study Skills #03270100	0.5	EDUC 1300	Effective Learning Strategies for College Success	3
1045.N000.X	Contemporary Media #03241401	1.0	COMM 2366	Introduction to Cinema	3
1244.N000.X	Communication Applications #03241400	0.5	SPCH 1315	Public Speaking	3
1244.N000.X 8502.N000.X	Communications Applications #03241400 OR Professional Communications #13009900	0.5	SPCH 1311	Introduction to Speech Communication	3
1015.N000.X	Humanities #03221600	1.0	HUMA 1301	Humanities: Prehistory to Renaissance	3
1025.N000.X	Humanities #03221610	1.0	HUMA 1302	Humanities: Renaissance to Present	3

***Course is not part of the 2017-18 ACC Core Curriculum course list; and tuition is not waived.

Mathematics

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
3002.N000.X or	Algebra II #03100600	1.0	MATH 1314	College Algebra	3
3011.N011.X	Independent Study in Math 1st time #03102500	1.0	MATH 1314	College Algebra	3
3011.N001.X*	Independent Study in Math 1st time #03102500	1.0	MATH 1342	Elementary Statistics	3
3011.N000.X**	Independent Study in Math 1st time #03102500	1.0	MATH 1414	College Algebra for Precalculus	4
3011.N002.X*	Independent Study in Math 1st time #03102500	1.0	MATH 2413	Calculus I	4
3006.N000.X*	Advanced Quantitative Reasoning	1.0	MATH 1332	Contemporary Math	3
3004.N000.X	Precalculus #03101100	1.0	MATH 2412	Precalculus	4

*Prerequisites: A satisfactory score on the ACC Mathematics Assessments Test prior to enrollment, completion of Algebra II, and completion of TSI requirements in mathematics.

**Math 1414 is an ACC prerequisite for Math 2412. In addition, it should be noted that Math 1414 is a more rigorous course. Counselors need to ensure students have the skills needed to be successful before enrolling in Math 1414.

PTECH Students 4th Year Math Credit

3011.N000.Y	Independent Study in Math	1.0	MATH 1350 & MATH 1351	Math, Middle Grade Teacher Cert I Math, Middle Grade Teacher Cert II	3 3

Science

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
3014.N000.X	Astronomy #03060100	1.0	ASTR 1303	Stellar Astronomy	3
3014.N001.X	Astronomy #03060100	1.0	ASTR 1403	Stellar Astronomy w/ Lab	4
8217.N000.X	Anatomy and Physiology #013020600	1.0	BIOL 2401	Anatomy and Physiology I	4
8713.N00A.X	Biotechnology I #13036400	1.0	BIOL 1414	Introduction to Biotechnology I	4
8723.N00A.X	Biotechnology I #13036400	1.0	BIOL 1415	Introduction to Biotechnology II	4
3012.N000.X	Environmental Systems #03020000	1.0	ENVR 1301	Intro to Environmental Science	3
3030.N000.Y	Physics #03050000	1.0	PHYS 1401 and PHYS 1402	General College Physics I and General College Physics II	4 4

Additionally, students may take *one* of the following two-course sequences (either ACC BIOL 1408 + 1409 *or* 1406 + 1407). They may not take *both* (that is, students may not take BIOL 1408 and 1406, etc.)

8763.N00A.X	Scientific Research and Design 3 #13037220	0.5	BIOL 1408	Biology for Non-science Majors I	4
8763.N00B.X	Scientific Research and Design 3 #13037220	0.5	BIOL 1409	Biology for Non-science Majors II	4

Or

8763.N00A.X	Scientific Research and Design 3 #13037220	0.5	BIOL 1406	Cellular and Molecular Biology	4
8763.N00B.X	Scientific Research and Design 3 #13037220	0.5	BIOL 1407	Structure and Function of Organisms	4

PTECH Students

3030.N00P.Y	Physics	1.0	PHYS 1405 PHYS 1407	Conceptual Physics I Conceptual Physics II	4 4

Social Studies

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
4002.N000.X	United States History #03340100	1.0	HIST 1302	U.S. History II	3
4013.N000.X	Economics/Free Enterprise #03310300	0.5	ECON 2302 or ECON 2301	Principles of Microeconomics or Principles of Macroeconomics	3
4001.N000.X	U.S. Government #03330100	0.5	GOVT 2305	U.S. Government	3
4004.N000.X	Psychology #03350100	0.5	PSYC 2301	Introduction to Psychology	3
4005.N000.X	Sociology #03370100	0.5	SOCI 1301	Introduction to Sociology	3
4011.N000.X, 4021.N000.X, 4031.N000.X, or 4041.N000.X	Special Topics In SS #03380002	0.5	GOVT 2306	Texas State and Local Government	3
4011.N001.X, 4021.N001.X, 4031.N001.X, or 4041.N001.X	Special Topics In SS #03380022	0.5	HIST 1301	U.S. History I	3
4011.N002.X, 4021.N002.X, 4031.N002.X, or 4041.N002.X	Special Topics In SS #03380032	0.5	HIST 2327	Mexican-American History	3
4011.N003.X, 4021.N003.X, 4031.N003.X, or 4041.N003.X	Special Topics In SS #03380042	0.5	HIST 2381	African-American History	3

Fine Arts

Courses that may count as a high school fine arts elective credit

These courses will not satisfy the 1.0 fine arts credit required for graduation (See AISD Art Pre-Requisites).

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
5031.N000.X*	Drawing I #03500500	1.0	ARTS 1316***	Drawing I	3
5032.N000.X*	Drawing II #03501300	1.0	ARTS 1317***	Drawing II	3
5061.N000.X*	Painting I #03500600	1.0	ARTS 2316***	Painting I	3

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
5062.N000.X*	Painting II #03501400	1.0	ARTS 2317***	Painting II	3
5001.N000.X*	Ceramics I #03500900	1.0	ARTS 2346***	Ceramics I	3
5002.N000.X*	Ceramics II #03501800	1.0	ARTS 2347***	Ceramics II	3
5091.N000.X*	Sculpture I #03501000	1.0	ARTS 2326***	Sculpture I	3
5092.N000.X*	Sculpture II #03501900	1.0	ARTS 2327***	Sculpture II	3
5071.N000.X*	Photography I #03501200	1.0	ARTS 2356***	Photography I	3

*Completion of AISD Fine Arts prerequisites is required prior to taking these courses.
*** Course is not part of the 2017-18 ACC Core Curriculum course list; and tuition is not waived.

Courses that may count as the 1.0 fine arts credit required for graduation

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
5611.N000.X	Theatre I #03250100	1.0	DRAM 1310	Theatre Appreciation	3
5094.N000.X	Art I #03500110	1.0	ARTS 1301	Art Appreciation	3

Languages Other than English

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
2018.N000.X	American Sign Language, Level I #03980100	1.0	SGNL 1401	American Sign Language (ASL) I	4
2001.N000.X	Arabic, Level I #03110100	1.0	ARAB 1411	Arabic I	4
2017.N000.X	Chinese, Level I #03490100	1.0	CHIN 1411	Chinese I	4
2012.N000.X	French, Level I #03410100	1.0	FREN 1411	French I	4
2013.N000.X	German, Level I #03420100	1.0	GERM 1411	German I	4
2010.N000.X	Japanese, Level I #03120100	1.0	JAPN 1411	Japanese I	4
2014.N000.X	Latin, Level I #03430100	1.0	LATI 1411	Latin I	4
2016.N000.X	Russian, Level I #03450100	1.0	RUSS 1411	Russian I	4
2015.N000.X	Spanish, Level I #03440100	1.0	SPAN 1411	Spanish I	4
2028.N000.X	American Sign Language, Level II #03980200	1.0	SGNL 1402	American Sign Language (ASL) II	4
2002.N000.X	Arabic, Level II #03110200	1.0	ARAB 1412	Arabic II	4
2027.N000.X	Chinese, Level II #03490200	1.0	CHIN 1412	Chinese II	4
2022.N000.X	French, Level II #03410200	1.0	FREN 1412	French II	4
2023.N000.X	German, Level II #03420200	1.0	GERM 1412	German II	4
2020.N000.X	Japanese, Level II #03120200	1.0	JAPN 1412	Japanese II	4
2024.N000.X	Latin, Level II #03430200	1.0	LATI 1412	Latin II	4
2026.N000.X	Russian, Level II #03450200	1.0	RUSS 1412	Russian II	4
2025.N000.X	Spanish, Level II 03440200	1.0	SPAN 1412	Spanish II	4
2038.N000.X	American Sign Language, Level III #03980300	1.0	SGNL 2301	American Sign Language (ASL) III	3
2003.N000.X	Arabic, Level III #03110300	1.0	ARAB 2311	Arabic III	3
2037.N000.X	Chinese, Level III #03490300	1.0	CHIN 2311	Chinese III	3
2032.N000.X	French, Level III #03410300	1.0	FREN 2311	French III	3
2033.N000.X	German, Level III #03420300	1.0	GERM 2311	German III	3
2030.N000.X	Japanese, Level III #03120300	1.0	JAPN 2311	Japanese III	3
2034.N000.X	Latin, Level III #03430300	1.0	LATI 2311	Latin III	3
2036.N000.X	Russian, Level III #03450300	1.0	RUSS 2311	Russian III	3
2035.N000.X	Spanish, Level III #03440300	1.0	SPAN 2311	Spanish III	3
2048.N000.X	American Sign Language, Level IV #03980400	1.0	SGNL 2302	American Sign Language (ASL) IV	3

Computer Courses

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
8610.N000.X	Business Information Management #13011400	1.0	COSC 1301	Introduction to Computing	3
7010.N000.X	Computer Science #03580200	1.0	COSC 1315	Fundamentals of Programming	3

Career and Technical Education Courses

Please check with your counselor as some of these courses may not be available.

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
8350.N00A.X	Practicum in Ag II Ext #13002515	1.0	WLDG 1428	Intro to Shielded Arc Welding	4
8350.N00B.X	Practicum in Ag II Ext #13002515	1.0	WLDG 1430	Intro to Gas Metal & Flux Cored Arc Welding (GMAW)	4
8350.N00C.X	Practicum in Ag II Ext #13002515	1.0	WLDG 1434	Intro to Gas Tungsten Arc Welding	4
8420.N00A.X	Construction Technology II #13005200	1.0	CNBT 1411	Construction Methods and Materials I	4

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
8420.N00B.X	Construction Technology II #13005200	1.0	CNBT 1300	Residential and Light Commercial Blue Print Reading	4
8411.N00A.X	Practicum in Construction Technology I #13005250	1.0	CRPT 1415	Conventional Wall Systems	4
8411.N00B.X	Practicum in Construction Technology I #13005250	1.0	CRPT 1411	Conventional Roof Finish	4
8421.N00A.X	Practicum in Construction Technology II #13005260	1.0	CRPT 1441	Conventional Exterior Finish Systems	4
8421.N00B.X	Practicum in Construction Technology II #13005260	1.0	OSHT 1305	OSHA Regulations - Construction Industry	3
8247.NC0A.X	Practicum In Construction Technology II Ext #13005265	1.0	CRPT 1445	Conventional Interior Finish Systems	4
To be created, if needed	Animation I #13008300	1.0	ARTC 1302	Digital Imaging I	3
To be created, if needed	Animation II #13008400	1.0	ARTC 1403	Basic Animation	4
8511.N000.X	Audio Video Production I #13008500	1.0	RTVB 1305	Intro to Television Technology	3
To be created, if needed	Graphic Design and Illustration I #13008800	1.0	ARTC 1305	Basic Graphic Design	3
To be created, if needed	Graphic Design and Illustration II #13008900	1.0	GRPH 1359	Vector Graphics for Production	3
To be created, if needed	Commercial Photography I #13009100	1.0	PHTC 1311	Fundamentals of Photography	3
To be created, if needed	Digital Audio Technology II #13009960	1.0	MUSC 1327	Audio Engineering I	3
To be created, if needed	Video Game Design #13009970	1.0	GAME 1475	2D Design for Games	4
To be created, if needed	Principles of Business #13011200	1.0	BUSI 1301	Business Principles	3
8610.N000.X	Business Information Management I #13011400	1.0	COSC 1301	Intro to Computing	3
8620.N000.X	Business Information Management II #13011500	1.0	ITSW 1304	Intro to Spreadsheets	3
8603.N000.X	Business Law #13011700	1.0	BUSI 2301	Business Law I	3
To be created, if needed	Global Business #13011800	0.5	IBUS 1305	Intro to International Business and Trade	3
8606.N000.X	Virtual Business #13012000	0.5	ITNW 1337	Intro to the Internet	3
8607.N000.X	Business Management #13012100	1.0	BMGT 1327	Principles of Management	3
8641.N000.X	Instructional Practices #13014400	1.0	EDUC 1301	Intro to the Teaching Profession	3
To be created, if needed	Money Matters #13016200	1.0	BUSG 1304	Financial Literacy	3
To be created, if needed	Banking and Financial Services #13016300	0.5	BUSG 1303	Principles of Finance	3
8214.N000.X	Medical Terminology #13020300	1.0	HPRS 1206	Medical Terminology	1
8211.N00A.X	Practicum in Health Science I #13020500	1.0	PHRA 1201	Intro to Pharmacy	2
8211.N00B.X	Practicum in Health Science I #13020500	1.0	PHRA 1205	Drug Classification	2
8222.N00A.X	Practicum in Health Science II Ext #13020515	1.0	PHRA 1313	Community Pharmacy Practice	3
8222.N00B.X	Practicum in Health Science II Ext #13020515	1.0	PHRA 1349	Institutional Pharmacy Practice	3
8222.N000.X	Practicum in Health Science II Ext #13020515	1.0	PHRA 1345	Compounding Sterile Preparations and Aseptic Technique	3
8222.N010.X	Practicum in Health Science II Ext #13020515	1.0	EMSP 1160	Emergency Medical Technician	5
8222.N020.X	Practicum in Health Science II Ext #13020515	1.0	PLAB 1323	Phlebotomy	3
8223.N000.X	Pharmacology #13020950	1.0	PHRA 1441	Pharmacy Drug Therapy and Treatment	4
8224.N010.X	Math for Medical Professionals #13020970	1.0	PHRA 1309	Pharmaceutical Mathematics I	3
To be created, if needed	Practicum in Culinary Arts I #13022700	1.0	RSTO 2307	Catering	3
To be created, if needed	Practicum in Culinary Arts I #13022700	1.0	CHEF 1205	Sanitation and Safety	2
To be created, if needed	Culinary Arts #13022600	1.0	CHEF 1301	Basic Food Preparation	3
To be created, if needed	Culinary Arts #13022660	1.0	PSTR 1301	Fundamentals of Baking	3
To be created, if needed	Hospitality Services #13022800	2.0	HAMG 1321	Intro to Hospitality Industry	3
8431.N000.X	Practicum in Hospitality Services I #13022000	1.0	HAMG 1313	Front Office Procedures	3
8703.N000.X	Lifetime Nutrition and Wellness #13024500	0.5	IFWA 1310	Nutrition and Meal Planning	3
To be created, if needed	Child Development #13024700	1.0	CDEC 1321	The Infant and Toddler	3
To be created, if needed	Principles of Information Technology #13027200	1.0	ITSC 1309	Integrated Software Applications I	3
8801.N000.X	Computer Maintenance #13027300	1.0	ITSC 1325	Personal Computer Hardware	3
8803.N000.X	Networking / Lab #13027400	1.0	ITNW 1325	Fundamentals of Networking Technologies	3
To be created, if needed	Networking / Lab #13027400	1.0	ITNW 2321	Networking with TCP / IP	3
8820.N00A.X	Computer Technician Practicum I Ext #13027505	1.0	ITSC 2339	Personal Computer Help Desk	3
To be created, if needed	Ext Computer Technician Practicum I #13027505	1.0	ITSC 2335	Application Problem Solving: Support	3
To be created, if needed	Ext Computer Technician Practicum I #13027505	1.0	ITMT 1300	Implementing and Supporting Microsoft Windows XP	3
To be created, if needed	Ext Computer Technician Practicum II #13027515	1.0	ITNW 1354	Implementing and Supporting Servers: Window 2008	3
8821.N000.X	Ext Computer Technician Practicum II #13027515	1.0	ITSY 1300	Fundamental of Information Security	3
To be created, if needed	Ext Computer Technician Practicum II #13027515	1.0	ITNW 2312	Routers	3
7010.N00A.X	Computer Science I #03580200	1.0	ITSE 1311	Beginning Web Page Programming	3
7010.N000.X	Computer Science I #03580200	1.0	COSC 1315	Fundamentals of Programming	3
7020.N00A.X	Computer Science II #03580300	1.0	COSC 1336	Programming Fundamentals I	3

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	ACC Course Number	ACC Course Title	ACC Hours
8807.N000.X	Digital Media #13027800	1.0	ARTC 1302	Digital Imaging I	3
7013.N001.X	Web Design #03580820	1.0	ITSE 1301	Web Design Tools	3
To be created, if needed	Ext Practicum in Information Technology I #13028005	1.0	ITSE 2302	Intermediate Web Programming	3
8814.N00A.X	Ext Practicum in Information Technology I #13028005	1.0	ITSE 1391	Special Topics in Computer Programming	3
8814.N00B.X	Ext Practicum in Information Technology I #13028005	1.0	ITSE 1359	Introduction to Scripting Languages: Python	3
8814.N001.X	Ext Practicum in Information Technology I #13028005	1.0	ITSC 1307	Unix Operating System Programming	3
8823.N000.X	Ext Practicum in Information Technology II #13028015	1.0	ITSE 2302	Intermediate Web Programming	3
To be created, if needed	Law Enforcement I #13029300	1.0	CRIJ 1301	Intro to Criminal Justice	3
8832.N000.X	Law Enforcement II #13029400	1.0	CRIJ 1310	Fundamentals of Criminal Law	3
8835.N000.X	Court Systems and Practices #13029600	1.0	CRIJ 1306	Court Systems and Practices	3
To be created, if needed	Correctional Services #13029700	1.0	CRIJ 2313	Correctional Systems and Practices	3
To be created, if needed	Firefighter II #13030000	2.0	FIRT 1338	Fire Protection Systems	3
8660.N000.X	Entrepreneurship #13034400	1.0	BUSG 2309	Small Business Management	3
To be created, if needed	Accounting I #13016600	1.0	ACNT 1403	Intro to Accounting I	4
To be created, if needed	Principles of Applied Engineering #13036200	1.0	ENGR 1201	Introduction to Engineering	2
To be created, if needed	Engineering Design and Presentation I #13036500	1.0	DFTG 1405	Technical Drafting	4
To be created, if needed	Engineering Design and Presentation II #13036600	1.0	DFTG 2419	Intermediate Computer-aided Design	4
To be created, if needed	AC/DC Electronics #13036800	0.5	CETT 1403	DC Circuits	4
To be created, if needed	AC/DC Electronics #13036800	0.5	CETT 1405	AC Circuits	4
8731.N000.X	Solid State Electronics #13036900	1.0	CETT 1429	Solid State Devices	4
To be created, if needed	Digital Electronics #13037600	1.0	CETT 1425	Digital Fundamentals	4
To be created, if needed	Automotive Technology I #13039600	1.0	AUMT 1405	Intro to Automotive Technology	4
To be created, if needed	Automotive Technology II / Lab #13039710	1.0	AUMT 1407	Automotive Electrical Systems	4
To be created, if needed	Automotive Technology II / Lab #13039710	1.0	AUMT 1410	Automotive Brake Systems	4
To be created, if needed	Automotive Technology II / Lab #13039710	1.0	AUMT 1416	Automotive Suspension and Steering	4
To be created, if needed	Basic Collision Repair A #13039750	1.0	ABDR 1301	Auto Body Repair and Repainting	3
To be created, if needed	Collision Repair B #13039750	1.0	ABDR 1315	Vehicle Trim and Hardware	3
To be created, if needed	Painting and Refinishing / Lab #130139910	1.0	ABDR 1419	Basic Metal Repair	4
To be created, if needed	Painting and Refinishing / Lab #13039910	1.0	ABDR 1307	Auto Body Welding	3
To be created, if needed	Painting and Refinishing / Lab #13039910	1.0	ABDR 1431	Basic Refinishing	4
To be created, if needed	Ext Practicum in Transportation Systems #13040455	1.0	AUMT 1419	Automotive Engine Repair	4
To be created, if needed	Ext Practicum in Transportation Systems #13040455	1.0	AUMT 1445	Automotive Heating and Air Conditioning	4
To be created, if needed	Ext Practicum in Transportation Systems #13040455	1.0	AUMT 2417	Automotive Engine Performance Analysis	4
8002.N000.X	General Employability Skills #N1270153	1.0	HPRS 1171	Student Success for Health Professionals	1
8912.N00A.X	General Employability Skills #N1270153	1.0	POFT 1171	College to Career Success	1

UT OnRamps

AISD Course Number	AISD Course Title and PEIMS Service ID Number	AISD Credit	UT Course Title	Hours
1003.N100.Y	ENG 3 D/C #03220300	1.0	ENGLISH III D/C (UTENG 1301 & 1302)	3 / 3
1004.N100.Y	ENG 4 D/C #03220400	1.0	ENGLISH IV D/C (UTENGL 1301 & 1302)	3 / 3
3002.N100.Y	ALG 2 D/C #03100600	1.0	ALGEBRA II D/C (UTMATH301)	3
3011.N100.Y	INSMTH STATS DC #03102500	1.0	MATH IND STUD STAT (UTMATH 1342)	3
3004.N100.Y	PRE CALC D/C #03101100	1.0	PRECALC D/C (UTMATH2312)	3
7000.N100.Y	FUND COMPSCI DC #3580140	1.0	FUND OF COMPUTER SCI (UTCS302)	
3015.N100.Y	EARTH/SPACE D/C #3060200	1.0	EARTH AND SPACE SCI (UTGEOL302E)	3
8763.N100.Y	CHEM D/C #13037220	1.0	CHEMISTRY (UTCHEM301)	
8763.N110.Y	PHYSICS 2 D/C 13037220	1.0	PHYSICS 2 D/C (UTPHYS1301)	
4002.N100.X	US HISTORY D/C #03340100	1.0	US HISTORY D/C (UT315L)	
4011.N100.X	SPECIAL TOPICS SS #03380022	0.5	US HISTORY D/C (UT315K)	

Appendix C Austin ISD Courses Articulated with Colleges, Universities, and Institutions

Austin ISD Courses Articulated with Austin Community College

ACC does not articulate with 11th and 12th graders (with the exception of Biotechnology and Fire Academy)
Career and Technical Education (CTE) courses are weighted if the teacher is approved to offer for college credit.

ACC Program Area	AAS Degree (Six-year Plan)	Certificate Program (Six-year Plan)	Articulated High School Courses	College Course Equivalent
Accounting	Accounting Specialist Accounting Tax Specialist Accounting Technician Full Charge Bookkeeper	Accounting Tax Specialist Enrolled Agents Level 1 Accounting Tax Specialist Level 1 Accounting Technician Bookkeeper Level 1 Accounting Technician QuickBooks Level 1	Accounting I 13016600	ACNT 1403 Introduction to Accounting 1
Allied Health Sciences	Medical Administrative Assistant	Medical Administrative Assistant Level I Medical Office Assistant Level I	Medical Terminology 13020300	HPRS 1206 Medical Terminology
Architectural and Engineering Computer-Aided Design	Architectural Specialization Civil Specialization Electronic Graphics Specialization Interdisciplinary Specialization Mechanical Specialization	Architectural and Engineering Computer Aided Design Specialization Level I Architectural CAD/Building Information Modeling Specialization Level I Civil CAD Specialization Level I Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) Level I Computer Aided Design Foundation Level I	Engineering Design and Presentation I 13036500	DFTG 1405 Technical Drafting
Auto Collision	Auto Body Collision and Refinishing Technology	Auto Body Collision Repair Level I Auto Body Refinishing Level I	Basic Collision Repair and Refinishing 13039750 (*Required Prerequisite*: Energy, Power & Transportation or Automotive Basics)	ABDR 1301 Auto Body Repair & Refinishing ***and*** BDR 1315 Vehicle Trim & Hardware
Automotive Technology	Automotive Technology Automotive Technology Honda Pact Specialization	Basic Automotive Level I Automotive Technology Honda Pact Specialization	Automotive Basics 13039550 Automotive Technology I: Maintenance and Light Repair 13039600 (*Required Prerequisite:* Automotive Basics)	AUMT 1405 Intro to Automotive Technology AUMT 1407 Automotive Electrical Systems
Biotechnology	Biotechnology	Biotechnology Level I Biotechnology Level 2 Biotechnology Advanced Technical Certificate	Biotechnology I 13036400 Biotechnology II 13036450	BITC 1414 Intro to Biotechnology BITC 1415 Introductions to Biotechnology 2
Building Technology	Construction Management	Construction Manager Level I Carpentry Specialization Level I	Construction Technology I 13005100	CNBT 1300 Blue Print Reading ***and*** CNBT 1411 Construction Methods & Materials
Child Care & Development	Child Development	Child Development Level I CDA Preparation Level I	Child Development 13024700 ***or*** Human Growth & Development 13014300	CDEC 1321 The Infant & Toddler

ACC Program Area	AAS Degree (Six-year Plan)	Certificate Program (Six-year Plan)	Articulated High School Courses	College Course Equivalent
Computer Information Technology	Computer Programming: Web Programming Specialization Information Technology: Applications Specialization Information Technology: User and Computer Support Specialization Local Area Network Systems-Network Administration Local Area Network Systems-Cyber Security Specialization	Computer Programming C++ Track Level I Computer Programming Java Track Level I Computer Programming: Software Testing Level I Information Technology: User and Computer Support Level I Local Area Network Systems-Network Administration Level I Web Developer Specialist Level I	Principles of Information Technology 13027200 Computer Maintenance 13027300	ITNW 1337 Intro to the Internet ITSC 1325 Personal Computer Hardware
Criminal Justice	Corrections Law Enforcement Texas Peace Officer Specialization Emergency Management	Texas Peace Officer Sequence Level I Addictions Counseling in the Criminal Justice System	Law Enforcement II 13029400 (*Prerequisite: Law Enforcement I*)	CJSA 1348 Ethics in Criminal Justice
Culinary Arts	Culinary Arts Baking and Pastry	Culinary Arts Level 2 Pastry Arts Level 2	Life time Nutrition & Wellness 13024500 **or** Intro to Culinary Arts 13022500 Culinary Arts13022600	IFWA 1318 Nutrition for the Food Service Professional CHEF 1301 Basic Food Preparation **and** CHEF 1205 Sanitation and Safety (with card)
Fire Protection Technology	Fire Protection Technology	Firefighter Level I	Firefighter II 13030000 Prerequisite: Firefighter I Graduates of any Texas Fire Commission certified Basic Firefighter Academy who successfully pass the State Certification Exam and complete a minimum of three semester hours from Austin Community College toward the AAS Degree in Fire Protection may be grated twelve semester hours credit.	FIRS 1401 Firefighter Certification I FIRS 1407 Firefighter Certification II FIRS 1313 Firefighter Certification III FIRS 1319 Firefighter Certification IV FIRS 1423 Firefighter Certification V FIRS 1429 Firefighter Certification VI **and** FIRS 1433 Firefighter Certification VII
Game Development, Animation & Motion Graphics	Game Design Specialization	Game Design Level 2 Certification	Video Game Design 13009970	GAME 1475 2D Design for Games
International Business	International Business Logistics and Supply Chain Management	International Business Level 1	Global Business 13011800	IBUS 1305 International Business & Trade
Management	Management	Administrative Management Level I Management Specialties Leadership Level I Retail Management Level I	Entrepreneurship 13034400	BUSG 2309 Small Business Management
Marketing and Finance	Fashion Marketing Marketing	Not applicable	Money Matters 13012600	BUSG 1304 Financial Literacy

ACC Program Area	AAS Degree (Six-year Plan)	Certificate Program (Six-year Plan)	Articulated High School Courses	College Course Equivalent
Office Administration & Technology	Administration Assistant Specialization	Administration Assistant Level 1 Certification	Business Information Management 1 13011400	POFI 2301 Word Processing: MS Word 1 POFI 1349 Spreadsheets: Excel ITSW 1310 Introduction to Presentation Graphics - PowerPoint
Radio, Television, and Film	Converging Media Production	Film/Video Production Management Radio-Television-Film Film/Video Production Radio-Television-Film	Audio/Video Production I 13008500	RTVB 1305 Introduction to Television Technology
Visual Communication	Graphic Arts Technology Specialization Graphic Design Specialization Game Art Specialization Game Design Specialization Motion Graphic Specialization	Graphic Arts Technology Level 2 Graphic Design Level 2 Motion Graphics Level 2	Digital Media 13027800 ***or*** Graphic Design & Illustration I 13008800 ***or*** Animation I 13008300 Graphic Design & Illustration II 13008910	ARTC 1302 Digital Imaging I ARTC 1313 Digital Publishing GRPH 1359 Vector Graphics for Production
Welding Technology	Code Welding Welding Inspection Architectural & Ornamental Metals: Blacksmithing Specialization Architectural & Ornamental Metals: Metal Sculpture Specialization	Structural Welding Level I	Agricultural Mechanics & Metal Technologies 13002200	WLDG 1428 Introduction to Shielded Metal Arc Welding

Austin ISD Courses Articulated with Colleges Other Than Austin Community College

Texas State University-San Marcos, College of Science

Major	Specialization	Articulated High School Courses	College Course Equivalent
Electrical Engineering	Micro and Nano Devices and Systems Specialization Networks and Communication Systems Specialization	Intro to Engineering Design (PLTW) N1303742	ENGR 1413 Engineering Design Graphics
Industrial Engineering	Not applicable	Intro to Engineering Design (PLTW) N1303742	ENGR 1313 Engineering Design Graphics
Industrial Technology-Manufacturing Technology	Not applicable	Intro to Engineering Design (PLTW) N1303742	ENGR 1313 Engineering Design Graphics
Manufacturing Engineering	General Manufacturing Concentration Semiconductor Manufacturing Concentration	Intro to Engineering Design (PLTW) N1303742	ENGR 1313 Engineering Design Graphics
Engineering Technology	Environmental Engineering Technology Specialization Manufacturing Engineering Technology Specialization Mechanical Engineering Technology Specialization	Intro to Engineering Design (PLTW) N1303742	ENGR 1313 Engineering Design Graphics
Engineering Technology	Electrical Engineering Technology Specialization	Intro to Engineering Design (PLTW) N1303742	ENGR 1313 Engineering Design Graphics

To receive credit for the above course, students must meet the following criteria:
The high school PLTW program must have current certification from PLTW, granted through the Ingenuity Center or other representative PLTW body.
In each course to be articulated, the student must achieve a course grade of at least 85 percent and a course final exam grade of 80 percent in each test section (A,B,C).

The Culinary Institute of America – New York

Program Area	AAS Degree (Six-year Plan)	Bachelor's Degree (Six-year Plan)	Articulated High School Courses	College Course Equivalent
Culinary Arts (Bowie High School Only)	Associate in Occupational Studies	Bachelor of Professional Studies Degree	Culinary Arts 13022600 ***and*** Practicum in Culinary Arts 13022700	Food Safety (ServSafe)

To receive credit for the above course, students must meet the following criteria:
Students must meet all CIA admissions requirements.
Students must successfully complete the Culinary Arts program at James Bowie High School.
Students must submit a copy of "ServSafe" certification at least three weeks prior to enrollment in order to receive credit for the Food Safety course.
To qualify for advanced standing with food service experience, students must submit a letter of recommendation from their Culinary Arts educator.
Students must submit a copy of their high school transcript.
Students must meet all other Culinary Institute of America admissions criteria and standards.
The student agrees that if he/she is unable to maintain satisfactory academic progress in which the articulated credit is foundational, the student may be required to take the above-mentioned course.
Qualifying students who apply and are admitted to the college will then be eligible for the first level of the CIA Merit Scholarship of $2500.00 if they enroll within one year of graduation from high school.

University of Texas at Tyler, College of Engineering and Computer Science

Major	Articulated High School Courses	College Course Equivalent
Civil Engineering Construction Management	Intro to Engineering Design (PLTW) N1303742 ***and*** Engineering Science (Principles of Engineering [PLTW]) 13037500	ENGR 1204 Engineering Graphics
Civil Engineering Construction Management Mechanical Engineering	Intro to Engineering Design (PLTW) N1303742 ***and*** Engineering Science (Principles of Engineering [PLTW]) 13037500 ***and*** Digital Electronics (PLTW) 13037600 ***or*** Aerospace Engineering (PLTW) N1303745 ***or*** Biotechnical Engineering (PLTW) N1303746 ***or*** Civil Engineering & Architecture (PLTW) N1303747 ***or*** Computer Integrated Manufacturing (PLTW) N1303748	ENGR 1201 Introduction to Engineering ***and*** ENGR 1204 Engineering Graphics I

To receive credit for the courses above, the student must satisfy the following criteria:
The high school offering the PLTW courses must have current certification from PLTW, granted through the Ingenuity Center or other representative PLTW body.
In each course to be articulated, the student must achieve each of the following:

- Passing all End of Course exams with a stanine score of 7 or higher.
- The student will submit copies of their PLTW Stanine scores, official high school transcript, payment in full, and the UT Tyler Request for Credit form.
- Pay fee as determined by UT Tyler. (www.texaspltw.org/resources/college-credit)

Texas A&M University – Kingsville, College of Engineering

Major	Articulated High School Courses	College Course Equivalent
Architectural Engineering Environmental Engineering Mechanical Engineering	Intro to Engineering Design (PLTW) N1303742 ***and*** Engineering Science (Principles of Engineering [PLTW]) 13037500	AEEN 1310 Computer Graphics & Applications ***or*** IMEN 1311 Technical CAD ***or*** MEEN 1310 Computer-Based Graphics & Design I
Architectural Engineering Computer Science Environmental Engineering Industrial Management & Technology Mechanical Engineering	Intro to Engineering Design (PLTW) N1303742 *and* Engineering Science (Principles of Engineering [PLTW]) 13037500 ***and*** Digital Electronics (PLTW) 13037600 ***or*** Aerospace Engineering (PLTW) N1303745 ***or*** Biotechnical Engineering (PLTW) N1303746 ***or*** Civil Engineering & Architecture (PLTW) N1303747 ***or*** Computer Integrated Manufacturing (PLTW) N1303748 ***and*** Engineering Design & Development (PLTW) N1303749	UNIV 1101 Learning in a Global Context ***and*** UNIV 1102 Learning in a Global Context II ***and*** AEEN 1310 Computer Graphics & Applications ***or*** IMEN 1311 Technical CAD ***or*** MEEN 1310 Computer-Based Graphics & Design I

To receive credit for the courses above, the student must satisfy the following criteria:
The high school offering the PLTW courses must have current certification from PLTW, granted through the Ingenuity Center or other representative PLTW body.
In each course to be articulated, the student must achieve each of the following

- Course grade of at least 85 percent;
- PLTW Summative Assessment stanine score of 6, 7, 8, or 9;
  The student will submit copies of their PLTW Engineering Notebook and Portfolio to TAMUK College of Engineering showing evidence of the curriculum completed.

Appendix D Austin ISD UIL Exempted Courses

Students in Grades Nine through 12

Courses must be weighted to be considered for exempt status. Weighted courses include Advanced, Advanced Placement, International Baccalaureate, dual credit, and some CTE articulated courses, TEA-approved and district-identified courses are listed below. Courses listed below are not necessarily offered by all AISD schools.

English/Language Arts

Advanced English I, II
English III
English IV
Independent Study in English
Independent Study in Journalism
Independent Study in Speech
Creative Writing
Oral Interpretation III
Debate III
Public Speaking III
Humanities
Advanced Broadcast Journalism
Advanced Journalism: Yearbook II and III
Advanced Journalism: Newspaper II and III
Advanced Journalism: Literary Magazine II and III
Literary Genres
Research/Technical Writing

Mathematics

Advanced Algebra I and II
Advanced Geometry
Advanced Quantitative Reasoning (AQR)
Independent Study in Mathematics
Precalculus (non-weighted and weighted)
Number Theory
Linear Algebra
Multivariable Calculus
Discrete Math for Computer Science
Digital Electronics (CTE)
Financial Mathematics (CTE)
AP Computer Science A (CTE
Accounting II (CTE
Manufacturing Engineering Technology II CTE
Robotics II (CTE)
Mathematics for Medical Professional A/S (CTE)
IB Computer Science (CTE)

Science

Advanced Biology
Advanced Chemistry
Advanced Physics
IPC
Aquatic Science
Astronomy
Advanced Plant and Soil (CTE)
Scientific Research and Design (CTE)
Anatomy and Physiology (CTE)
Pathophysiology (CTE)
Medical Microbiology (CTE)
Engineering Design and Problem Solving (CTE)
Biotechnology II (CTE)
Food Science (CTE)
Science Technology
Modern Physics
Organic Chemistry
Planet Earth
Sports Medicine III
Forensic Science (CTE)
Advanced Animal Science (CTE)
Biotechnology I (CTE)
Engineering Science (CTE)

Social Studies

Advanced World Geography
Advanced World History
Constitutional Law
Contemporary Issues
World Belief Systems
Social Studies Advance Studies
Social Studies Research Methods
Special Topics in Social Studies

Languages Other Than English

American Sign Language III and IV
Advanced Chinese III, Chinese IV, V, and VI
Advanced French III, French IV, V, VI, and VII
Advanced German III, Advanced German IV, German I, VI, and VII
Advanced Japanese III, Japanese IV, V, VI, and VII
Advanced Latin III, Latin IV, V, VI, and VII
Advanced Spanish III, Spanish IV, V, VI, and VII
Spanish for Spanish Speakers III and IV
Arabic III, IV, V, VI, and VII
Vietnamese III, IV, V, VI, and VII
Korean III, IV, V, VI, and VII
Computer Science I*, II*, and III*

*Foundation High School Program recognizes Computer Science as a Language Other than English

Dual Credit Courses

See Appendix B on page

College Articulated Courses

See Appendix C on page

AP and IB Courses

AP and IB Courses in all disciplines.

Students in Grades Seven and Eight

Weighted courses include Advanced, magnet, and IB Middle Years Program. Weighted and non-weighted high school level courses completed at the middle school level in the areas noted below are recognized as exempt courses in AISD. The course number at the middle school level may vary from the high school level course number. TEA-approved and district-identified courses are listed below. Courses listed below are not necessarily offered by all AISD schools.

English/Language Arts

Communication Applications
Professional Communications (Speech credit)

Mathematics

Advanced Algebra I and II
Advanced Geometry
Precalculus (non-weighted and weighted)

Health

Health Education

Career and Technical Education

Business Information Management I
Digital Communications in the 21st Century
Digital Media
Foundations of Cybersecurity
Fundamentals of Computer Science
General Employability Skills
Graphic Design and Illustration
Interpersonal Studies
Introduction to Culinary Arts
Introduction to Event and Meeting Planning
Introduction to Transpiration Technology
Introduction to Welding
Lifetime Nutrition and Wellness
PLTW GTWY AP/IM
PLTW GTWY DM/AR
PLTW GTWY FS/EE
PLTW GTWY GA/MD
PLTW GTWY ME/ST
Principles of Agriculture, Food, and Natural Resources
Principles of Hospitality and Tourism
Principles of Human Services
Principles of Information Technology
Principles of Law, Public Safety, Corrections, and Security
Principles of Manufacturing
Principles of Transportation Systems
Professional Communications
Robotics I
Touch System Data Entry
Web Communication
Principles of Applied Engineering
Principles of Arts, Audio/Video Technology and Communications
Principles of Biosciences
Principles of Business, Marketing and Finance
Principles of Construction
Principles of Distribution and Logistics
Principles of Education and Training
Principles of Exercise Science and Wellness

Languages Other Than English

American Sign Language I and II
Chinese I and II
French I and II
German I and II
Japanese I and II
Latin I and II
Spanish I, II, and III
Spanish for Spanish Speakers I, II, III, and IV
Arabic I and II
Vietnamese I and II
Korean I and II
Credit by exam, when taken in middle school

Appendix E STAAR/EOC Reporting Categories

Reading (STAAR) Grades 6, 7, 8
Reporting Category 1: Understanding/Analysis Across Genres
Reporting Category 2: Understanding/Analysis of Literary Texts
Reporting Category 3: Understanding/Analysis of Informational Texts
Writing (STAAR) Grade 7
Reporting Category 1: Composition
Reporting Category 2: Revision
Reporting Category 3: Editing
English I, II (EOC)
Reporting Category 1: Understanding/Analysis Across Genres (Reading)
Reporting Category 2: Understanding /Analysis of Literary Texts (Reading)
Reporting Category 3: Understanding/Analysis of Informational Texts (Reading)
Reporting Category 4: Composition (Writing)

Reporting Category 5: Revision (Writing)
Reporting Category 6: Editing (Writing)

Mathematics (STAAR) Grades 6, 7, 8

Reporting Category 1: Numbers, Operations, and Quantitative Reasoning
Reporting Category 2: Patterns, Relationships, and Algebraic Reasoning
Reporting Category 3: Geometry and Spatial Reasoning
Reporting Category 4: Measurement
Reporting Category 5: Probability and Statistics

Algebra I EOC

Reporting Category 1: Functional Relationships
Reporting Category 2: Properties and Attributes of Functions
Reporting Category 3: Linear Functions
Reporting Category 4: Linear Equations and Inequalities
Reporting Category 5: Quadratic and Other Nonlinear Functions

Science (STAAR) Grade 8

Reporting Category 1: Matter and Energy
Reporting Category 2: Force, Motion, and Energy
Reporting Category 3: Earth and Space
Reporting Category 4: Organisms and Environments

Biology (EOC)

Reporting Category 1: Cell Structure and Function
Reporting Category 2: Mechanisms of Genetics
Reporting Category 3: Biological Evolution and Classification
Reporting Category 4: Biological Processes and Systems
Reporting Category 5: Interdependence within Environmental Systems

Social Studies (STAAR) Grade 8

Reporting Category 1: History
Reporting Category 2: Geography and Culture
Reporting Category 3: Government and Citizenship
Reporting Category 4: Economics, Science, Technology, and Society

US History (EOC)

Reporting Category 1: History
Reporting Category 2: Geography and Culture
Reporting Category 3: Government and Citizenship
Reporting Category 4: Economics, Science, Technology, and Society

The State of Texas requires every public-school district to assess a student's mastery of the state curriculum standards, otherwise known as the Texas Essential Knowledge and Skills (TEKS). For grades three through eight, the STAAR program assesses reading and math at all grade levels, writing at grades four and seven, science at grades five and eight, and social studies at grade eight. At the high school level, grade-specific assessments have been replaced with a series of five End-of-course (EOC) Assessments: Algebra I, English I, English II, Biology and U.S. History.
STAAR/EOC reporting categories consist of supporting standards and readiness standards, defined as those TEKS considered critical for success in the current grade or subject and important for preparedness in the grade or subject.

Appendix F Austin ISD Graduation Plans and STAAR/EOC Requirements for Students

Foundation High School Program Plan

Subject	Required Credits and Courses
English Language Arts	4 credits English I (EOC) English II (EOC) English III Advanced English class
Mathematics	3 credits Algebra I (EOC) Geometry Advanced math class
Science	3 credits Biology (EOC) Advanced science class Advanced science class
Social Studies	2.5 credits World History or World Geography U.S. History (EOC) U.S. Government
Economics	0.5 credit
Languages Other than English	2 credits
Physical Education	1 credit
Health*	0.5 credit
Fine Arts	1 credit
Electives	4.5 credits
Total Credits	22

*The completion of 0.5 Health credits is a local district policy, EIF(EXHIBIT).

Foundation + Endorsement Plan

Subject	Required Credits and Courses
English Language Arts	4 credits: English I (EOC) English II (EOC) English III Advanced English class
Mathematics	4 credits Algebra I (EOC) Geometry Advanced math class Advanced math class
Science	4 credits Biology (EOC) Advanced science class Advanced science class Advanced science class
Social Studies	2.5 credits World History or World Geography U.S. History (EOC) U.S. Government
Economics	0.5 credit
Languages Other than English	2 credits
Physical Education	1 credit
Health*	0.5 credit
Fine Arts	1 credit
Electives	6.5 credits
Total Credits	26

*The completion of 0.5 Health credits is a local district policy, EIF(EXHIBIT).

Distinguished Level of Achievement Plan

Subject	Required Credits and Courses
English Language Arts	4 credits: English I (EOC) English II (EOC) English III Advanced English class
Mathematics	4 credits Algebra I (EOC) Geometry Algebra II Advanced math class
Science	4 credits Biology (EOC) Advanced science class Advanced science class Advanced science class
Social Studies	2.5 credits World History or World Geography U.S. History (EOC) U.S. Government
Economics	0.5 credit
Languages Other than English	2 credits
Physical Education	1 credit
Health*	0.5 credit
Fine Arts	1 credit
Electives	6.5 credits
Total Credits	26

*The completion of 0.5 Health credits is a local district policy, EIF(EXHIBIT).

Appendix G: Understanding Your Student's Class Rank

GPA Calculation Definitions:
Austin ISD uses a weighted 4.0 scale. Honors-level courses are given a higher grade point value.

Cumulative GPA (weighted 4.0 scale)

- Includes all high school courses taken for high school credit (cumulative).
- Honors level courses receive higher grade point value.
- Reported on student's high school transcript.
- Reported on student's report card.
- Called Weighted GPA in Naviance.

Unweighted GPA (4.0 scale)

- Includes all high school courses taken for high school credit (cumulative).
- Honors level courses *do not* receive higher grade point value.
- *Not* reported on student's high school transcript or report card.
- Called Cumulative GPA in Naviance.

Rank GPA (weighted 4.0 scale)

- Includes high school courses in the four course areas and foreign language that meet graduation requirements. See details below.
- Honors level courses receive higher grade point value.
- *Not* reported on student's high school transcript.
- Reported on student's report card (except for non-ranking high schools).

- Not listed in Naviance.

The purpose of the district's class rank policy is to promote rigorous academic standards and readiness for college, career, and life in a globally competitive economy. Class ranking shall be used to determine district honors and awards and will be submitted to colleges and universities.
Class rank is a snapshot of a fluid process of adding to and updating the high school transcript. Semester averages may change as teachers' gradebooks are updated, dual credits are added, and outside credits are completed. Even though transcripts are updated throughout the semester, once class rank is set for the semester, it remains unchanged until the next ranking period. AISD calculates class rank for students beginning the spring of their 10th grade year. Thereafter, students are ranked after the end of each semester. Current semester data is never used to calculate rank.
Beginning with the incoming ninth grade class of 2011-12, AISD phased in rank GPA calculation. This GPA calculation is used to determine class rank for each student. The calculation is closely aligned with the graduation requirements as mandated by the State of Texas. Rank GPA calculation considers all available final semester grades for the courses that satisfy the student's graduation plan in the following five curriculum areas:

1) English Language Arts (ELA)
2) Languages Other than English (LOTE)
3) Mathematics
4) Science
5) Social Studies

Texas has one graduation plan: Foundation High School Program (see 19 TAC Chapter 74.11). Within that plan are three levels.

1) Foundation High School Program (FHSP)
2) Foundation High School Program plus Endorsements (FHSP + E)
3) Foundation High School Program plus Endorsement with Distinguished Level of Achievement (FHSP + E + D)

The following is a list of requirements in the four core course areas and LOTE that satisfy graduation requirements and how they are used in calculating Rank GPA.

English Language Arts (ELA): 4 credits

All students must earn four credits in ELA to including English I, II, III, and one full or two half credits of an advanced ELA course as defined by 19 TAC Chapter 74.12(b)(1). If more courses are taken than needed to satisfy the fourth ELA credit, then the two semesters with the highest grade point values that satisfy the fourth ELA credit, then the two semesters with the highest grade point values that satisfy the fourth ELA credit will be used in rank GPA calculations.

Social Studies (SS): 3 credits

All students must earn three credits in SS to include World Geography or World History, US History, Economics, and US Government as defined by 19 TAC Chapter 74.12(b)(4).
World Geography/World History:

- If a student earns one full credit in World Geography and one full credit in World History, the full credit with the highest grade point average will be used in rank GPA calculations.
- If a student earns one full credit in World Geography or World History and 0.5 credits in the other course, the course will the full credit will be used in rank GPA calculations.

Science: FHSP 3 credits; FHSP + E and FHSP + D 4 credits

Depending on the student's graduation plan, three or four science credits are required, and one credit must be Biology. If a student earns more science credits as listed in 19 TAC Chapter 74.12(b)(3), the semesters with the highest grade points will be used in rank GPA calculations. Biology semesters will be replaced with other science semesters if the other science has a higher grade.

Mathematics: FHSP 3 credits; FHSP + E and FHSP + D 4 credits

Depending on the student's graduation plan, three or four math credits are required, and two credits must be Algebra 1 and Geometry. If a student earns more math credits as listed in 19 TAC Chapter 74.12(b)(2), the semesters with the highest grade points will be used in rank GPA calculations. Algebra 1 and Geometry semesters will be replaced with other mathematics semesters with a higher grade.

Language Other than English (LOTE) 2 credits

All students must earn two credits in the same foreign language as defined by 19 TAC Chapter 74.12(b)(5). If a student earns more credits in the same language than are required, the four semesters with the highest grade points will be used in rank GPA calculations. If a student has more than two credits in more than one language, the language with the most credits will be used in rank GPA calculation.

Information as of