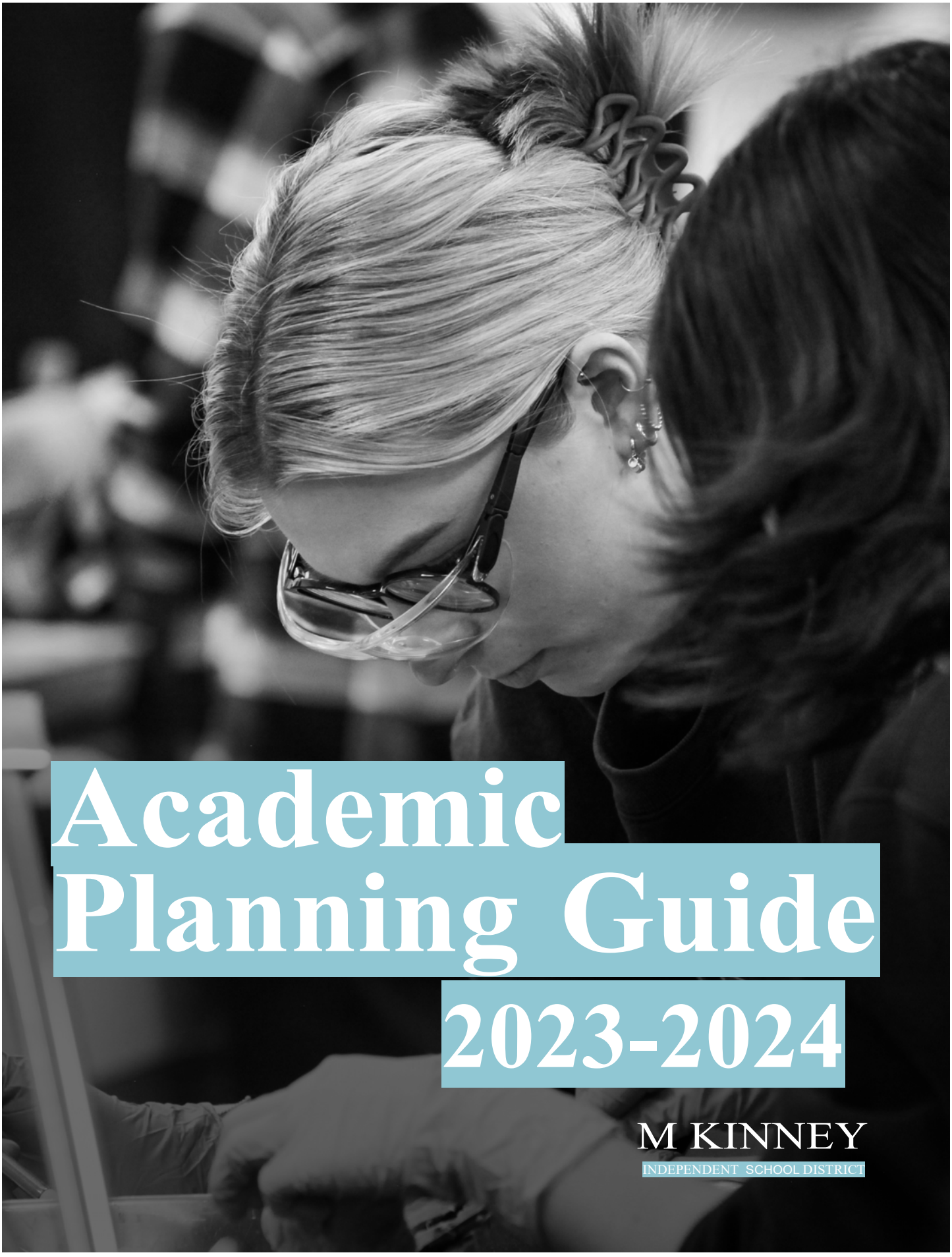

Academic Planning Guide

2023-2024

M KINNEY

INDEPENDENT SCHOOL DISTRICT

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SUPERINTENDENT'S MESSAGE

Dear McKinney ISD Student,

We hope that you will share our excitement as you begin the very important planning phase for the upcoming 2023-2024 school year. We present to you this Academic Planning Guide as an informational and instructional tool, in order for you to make the best decisions impacting your educational future. This document is truly a road map to your academic success and is a result of a collaborative effort of the McKinney ISD Learner Support Department, Career and Technical Education Department, and the Department of Counseling. Our desire is that it will provide you and your parent(s) or guardian(s) with a guide that has been specifically designed to help you fully prepare to accomplish your college and/or career aspirations.

We understand that choosing the right courses and graduation plan can be difficult. A detailed description of the four year plan and available endorsements provided by McKinney ISD are included in this planning guide. While this process may seem complex, you should be encouraged to know that we have an entire team of counselors and campus staff ready to help guide you. The academic programs in McKinney ISD are rigorous and relevant to your needs, not only today, but for tomorrow. We encourage you to challenge yourself when choosing courses, and choose a career path that will help you achieve all of your aspirations.

Please carefully review the courses and graduation programs covered in the Academic Planning Guide, and seek input from your parent(s) or guardian(s). It is important for you to remember that your school counselor is a valuable resource for answers to questions. In addition, McKinney ISD has made available for all 6th-12th grade students a college and career online planning tool, Naviance, to help students successfully create a four-year high school graduation plan. See your counselor for more details and information. Remember, a counselor's primary responsibility is to be available to you and to help you as you develop a plan that meets your individual needs.

We hope that you will have fun and enjoy the process of planning for what we all desire to be the best of experiences for you. You have the unique privilege of choosing courses and a career path that will help you prepare for *your* future, wherever that journey takes you. So, take your time and choose a graduation plan equipped with courses that will inspire you, challenge you, and set you on a path for success. On behalf of the McKinney ISD staff and Board of Trustees, I wish you success in the upcoming year, and we look forward to doing whatever we can to ensure that you are successful.

Sincerely,

Rick McDaniel, Ed.D.
Superintendent

MISD VISION, MISSION AND BELIEFS

VISION: We are a cohesive, diverse community providing engaging learning experiences for all.

MISSION: We will provide engaging learning experiences so students can become effective communicators, quality contributors, and socially responsible citizens.

BELIEFS:

- Partnerships between students, parents, community members, and staff are foundational to educational success.
- Positive school culture and a safe environment foster growth.
- Everyone has inherent value and deserves to be treated with dignity and respect.
- Learning is an active process requiring engaging tasks and engaging minds.
- Relevant and authentic experiences ignite continuous, deeper learning.
- Meaningful relationships enrich learning.
- Confidence fuels risk taking and higher achievement.
- Financial stewardship ensures a tomorrow for education.

MISD GRADUATE PROFILE

Effective Communicator: Comprehends and expresses ideas clearly through various means and modes of communication**.** Effective communicators can interpret and decode meaning through varied forms including listening, reading, speaking, writing, interpreting and creating graphic images, and mathematical interpretations of symbols.

- Technologically literate
- Capable listener
- Financially literate
- Collaborative
- Kind and Respectful
- Information literate

Socially Responsible Citizens: Understands and appreciates cultural differences, their contributions, impact and interrelatedness in a global economy. Socially responsible citizens understand the importance of being a contributing member of a democratic society in a diverse world and will make ethical decisions with the improvement of future societies in mind.

- Ethical
- Community contributors
- Appreciates diversity
- Globally aware
- Values equality and justice
- Reflective

Quality Contributor: Continually seeks to achieve quality results and outcomes through individual accountability, leadership, teamwork, and lifelong learning using multiple methods of technologies and resources. Quality contributors are creative, innovative thinkers that can solve complex problems to achieve quality results through meaningful research.

- Critical thinker
- Innovative
- Risk taker
- Creative
- Individually accountable
- Continuous learner

NON-DISCRIMINATION ASSURANCE

McKinney Independent School District does not discriminate on the basis of race, religion, color, national origin, sex or disability in providing education or providing access to benefits of education services, activities, and programs, including career and technology programs, in accordance with Title VI of the Civil Rights Act of 1964 as amended; Title IX of the Education Amendments of 1972; Section 504 of the Rehabilitation Act of 1973, as amended; and Title II of the Americans with Disabilities Act.

This document serves as a guide. The official document will be the current one posted on the MISD website. Any errors do not supersede local Board and/or state Board policies.

GENERAL INFORMATION

This guide assists McKinney ISD students in making course selections and planning their academic futures. We encourage students and parents to read this guide carefully. Counselors are available to work with students, parents, and teachers to select appropriate courses that are challenging and meet graduation requirements. Catalogs, handbooks, and Internet sources are available to students seeking post high-school educational opportunities. These opportunities include two-year and four-year colleges and universities, vocational schools and the armed forces. Financial aid resources and workshops are also available.

For more information, please contact the appropriate school counseling center:

McKinney Boyd High School	**(469) 302-3400**
McKinney High School	**(469) 302-5700**
McKinney North High School	**(469) 302-4300**

COURSE DESCRIPTIONS

Students and parents should work together to explore MISD's course offerings. Course descriptions are arranged by subject and begin on p. 27. Each course description will feature information about the grade level and the required and recommended prerequisites that must be satisfied prior to enrollment in the course. Some courses will require an application, a fee, and/or instructor approval. Not all courses are offered at all campuses. If you choose courses that are not offered at your zoned campus, you must either apply to transfer to that school or provide your own transportation in order to participate.

COURSE SELECTION PROCESS

Each year, students will receive a course selection card, also known as a personal graduation plan. This document will enable the student and parent to set academic and personal goals for the year, indicate desired coursework, and provide alternate elective choices for the student if the first choice selections are unavailable. Course selections should incorporate knowledge of graduation requirements, student interests and abilities, and desired college and career outcomes. Your course selection card will be due to your campus counselor according to the schedule provided by the campus. Please be aware of specific program and application deadlines as well as your campus registration deadlines. In April, students will have an opportunity through the course verification process to indicate anydesired changes.

The priority deadline for change requests is May 1, 2023.

COURSE APPLICATIONS

Beginning January 9, you may apply for courses that have an application. Information and links to the forms are available here: www.tinyurl.com/misdapps. Students are encouraged to apply as soon as possible. Priority consideration will be given to applications received by February 24, 2023.

SCHEDULE CHANGE GUIDELINES

In order to provide course continuity, enhance student learning and allow accurate projections of course offerings and class size, schedule changes after the deadline are limited to when thestudent:

- Failed a required course and must make room to repeat the necessary course
- Is erroneously enrolled in a specific course for which they have already earnedcredit
- Is a senior and needs to drop a course in order to enroll in a course needed forgraduation
- Has not completed the necessary prerequisite course to proceed in the enrolledcourse
- Desires to repeat a failed course in the classroom of a different teacher than they had during the firstattempt

Requests for schedule changes meeting the criteria above must be initiated ONLY during the first five days of each semester. Schedule changes will always be subject to course availability.

Requests to exit from weighted courses (Level II and Level III) to academic courses (Level I) are subject to the Weighted Course Agreement. See p. 18 of this guide for more information.

ACADEMIC ADVISING EXPECTATIONS

In accordance with TEC § 28.02121, MISD encourages students to actively plan for the future. The knowledge base and work habits developed over the course of high school lay the foundation for successful pursuit of postsecondary success. While every student's journey is unique, our beliefs, mission and graduate profile shape our academic advising expectations. We believe that the following expectations will provide the most secure base for navigating the changing world of work.

- MISD believes that all students need to be college and career ready. As encouraged in TEC § 28.002 (g), we expect students to continue in core courses each year of high school even if all minimum state graduation requirements have been met. Moreover, we have an expectation for students to complete courses such as Algebra II, Physics and English IV so that they will meet a broader selection of college and university admission requirements and will have a better preparation for success once postsecondary studies have begun.
- Students should select courses with their interests, abilities, outside commitments and personal goals in mind. While varied interests and program participation can be stimulating, students should reflect on the amount of time that is necessary to perform successfully in multiple strands of advanced coursework, extracurricular involvement, volunteer work and other activities. Strong attention to advance planning will help students set goals, make decisions, balance priorities and maximize the benefit of their high school experiences.
- MISD supports several options for students to engage in academic challenges and rigorous learning experiences such as:
  - Advanced Placement or Dual Credit courses to experience a college-level curriculum
  - A sequence of Career and Technical Education courses to explore careers and seek certifications and licensure as available
  - Three or more years of a language other than English to prepare for a global workplace
  - Multiple years of excellent programming in areas like Fine Arts, Computer Science, Athletics and AVID

Note to middle school parents and students:

Courses taken for high school credit in middle school count for credit but are not figured into GPA and rank at high school. Colleges or NCAA may recalculate your GPA when making admission considerations and may use these classes. Credits taken in middle school may allow for more flexibility in high school planning, but are not meant to reduce high school expectations. For example, taking Algebra in middle school should not be used as a plan to not take a math course senior year. Instead, it should allow students to reach higher levels of math.

PLANNING YOUR HIGH SCHOOL PROGRAM

Seniors (Grade 12)

Start the year with a strong plan for your studies and activities:

- Plan a schedule with rigorous coursework and activities. Colleges do look at senior courses and grades in making admission decisions. Admissions officers will consider many factors when determining the likelihood that an applicant will be prepared to progress academically on the college campus.
- Review your grade point average and your test scores to help you prioritize your time and assist you in planning for your journey beyond high school.

Stay Active:

- Participate in school-related activities and community service. Institutes of higher learning consider a student's involvement in activities other than academics. Consider working a part time job or participating in an internship. It can be very beneficial to connect with a mentor in your chosen area of study.
- Re-take the SAT/ACT in the fall. Review SAT/ACT scores when available and take again in December if necessary. Don't miss the registration deadline!
- If you plan to go to college in Texas, you are subject to the Texas Success Initiative to demonstrate college readiness. Note that if you meet the requirement for exemption such as through your ACT or SAT score, you must alert your prospective institution. You can learn more about TSI here: www.thecb.state.tx.us/TSI

Pursue your plan:

- **Log in to your Naviance account often!** Students can use Naviance tools to research colleges, order transcripts, utilize the common application, stay informed on upcoming college visits to the campus, and learn about scholarships. See your counselor for details.
- Attend College Night in the fall and McKinney Education Foundation (MEF) College Information Seminars to gain information on the college admission and financial planning process.
- If you have the opportunity, visit your top choice colleges. Seniors are allowed two excused absences to visit prospective institutions. Be sure to turn in appropriate documentation from the college you visited. See your counselor or attendance office with any questions.
- Apply to colleges early in your senior year. Many schools have early November deadlines. Institutional scholarship deadlines are December 1st in many cases. Use application sites like Apply Texas or Common App to streamline the application process.
- Complete the Free Application for Federal Student Aid (FAFSA) or Texas Application for State Financial Aid (TASFA) in the fall of your senior year. Many institutions will require this in order to be considered for scholarships.

Juniors (Grade 11)

Take on challenges:

- Take rigorous courses and do your best at earning high grades in all classes. When you initially apply to college next year, they will be considering the grades you've earned through the end of your junior year.
- Discuss your grade point average and test scores with your counselor to make wise choices about junior and senior classes and college options. Some colleges or programs may have additional course requirements beyond the state graduation plan. For instance, some engineering programs may require Pre-Calculus and/or Calculus. It is important to research the requirements of your prospective colleges when finalizing course selections. Review and update your four-year plan for graduation.
- Consider taking courses through correspondence, dual credit, summer school or online to make space for additional classes during the school year. Additional credits are impressive to colleges.
- Take three years of language other than English. It demonstrates your desire to be more competitive and prepared for college. This may be a requirement for some university admissions and programs.

Prepare for standardized testing:

- Plan to take the PSAT/National Merit Scholarship Qualifying Test in October. The PSAT is administered **only** in October. Use the PSAT score report to study and improve your SAT score. You must register to take the exam. The district also offers Blitz camps to improve scores, so take advantage of the additional preparation. See your counselor for details.
- Take the SAT or ACT in the spring of the junior year and use your score report to study and improve your score when the SAT is repeated in the senior year. The district also offers Blitz camps to improve scores, so take advantage of the additional preparation.
    - SAT website www.collegeboard.org
    - ACT website http://act.org

Gather and organize your information:

- Maintain an updated resume and portfolio of accomplishments.
- **Log in to your Naviance account often** to continue searching for colleges, to keep learning about careers and to seek information about scholarships. See your counselor for details.
- Visit colleges. Many colleges will offer special perks to students that visit. Additionally, an increasing number of intuitions are now offering "virtual tours" and maintain a strong presence on social media. Juniors are allowed two excused absences to visit prospective institutions. Be sure to turn in appropriate documentation from the college you visited. See your counselor or attendance office with any questions.
- Attend MISD College Night in the fall and gather information on colleges and careers.
- Develop a list of five to seven schools that you are planning to apply to in the fall. Look up their application deadlines and other details about admissions.
- If you are planning to participate in college athletics, review the eligibility guidelines of your governing association (NCAA, NAIA, NJCAA, etc.)

Sophomores (Grade 10)

Push yourself to do your best:

- Plan your schedule thoughtfully to complete required courses for graduation and to satisfy prerequisite courses for electives you want to take in grades 11 and 12. Review and update your four-year plan.
- Review your transcript and verify grade point average and rank. Set a goal for your grades this year.
- Read challenging books on a variety of topics, including non-fiction and biography pieces. Write as often as you are able. Ask questions in your classes and attend tutoring. Form study groups with your peers.
- Take the PSAT in October for practice. The PSAT will help prepare you for the National Merit Scholarship Qualifying Test in the grade 11. You will automatically be registered for the exam.
- Consider taking courses through correspondence, dual credit, summer school or online to make space for additional classes during the school year. Additional credits are impressive to colleges.
- Take three years of language other than English. It demonstrates your desire to be more competitive and prepared for college. This may be a requirement for some university admissions, or admission to certain programs.

Narrow your interests and revise your planning:

- **Log in to your Naviance account often** to keep searching for college and career information. Make it a point to share your interests with your counselor.
- Look for opportunities to interact with mentors in your career interest.
- Research the educational and certification requirements for careers that interest you. Locate colleges and universities that have programs in your desired field of study.

Seek leadership roles in your activities or unique ways to contribute to your community:

- Keep an updated resume and portfolio of accomplishments.
- Offer to get involved and follow through with your commitments. Focus on quality work rather than quantity of activity.

Freshmen (Grade 9)

Explore your interests and graduation requirements and confirm your Four Year Plan:

- Select courses that meet graduation requirements but also ensure or increase college readiness skills and/or prepare you for your career focus. Plan to take courses that are relevant to your goals and aspirations each year. Create a four- year plan for graduation in 8th grade to plan courses for freshman year. As you prepare to register for your sophomore year, reassess and adjust your plan as needed. Plan to schedule prerequisite courses for electives you want to take in grades 10, 11 and 12.
- **Log in to your Naviance account often** to keep searching for college and career information.
- Consider taking courses through correspondence, dual credit, summer school or online to make space for additional classes during the school year. Additional credits are impressive to colleges.

Master organization and study skills:

- Get comfortable attending tutoring, participating in study groups, and taking notes during class. It is helpful to learn a system such as Cornell notes to help you tackle challenging concepts.
- Actively develop your vocabulary. Read and write as often as possible.
- KEEP A PLANNER! Break large assignments into a series of manageable steps. Check in with your teacher regularly as you work through your steps. Be sure to look for and write down lesson objectives and information about upcoming assignments.
- Remember that courses and grades determine the grade point average used by the school and colleges. Your rank is based on your grade point average.
- Keep written goals and revise them often**.** Share your aspirations with your friends and family, your school counselor, your administrator, your teachers and any other important adults in your life.

Get connected to the life of the school:

- Participate in school related activities and community service.
- Get involved in coursework that spans multiple years of study. Try to stay committed to your chosen programs so you can build on your knowledge each year.

MCKINNEY EDUCATION FOUNDATION (MEF)

The McKinney Education Foundation is a non-profit education foundation created to centralize, simplify and enhance the process of raising money for and awarding scholarships to deserving graduates in MISD. MEF also has advisors who specialize in higher education admissions to help students apply for and find additional funding for college. Discover more at: http://www.mmeeff.com/

FINANCIAL AID INFORMATION

Students who meet the MISD curriculum requirements for graduation are eligible to apply for financial aid for postsecondary education. To apply for federal and state financial aid, complete the FAFSA available online or via phone app at https://fafsa.ed.gov. It is important to apply for financial aid early in the senior year. Priority deadlines may be as early as December 15. Students that are not eligible to fill out the FAFSA may still apply for state aid through the TAFSA application. For additional information about Texas financial aid, visit: http://www.collegeforalltexans.com. Texas also offers aid through the Hazlewood Act which provides tuition benefits for qualified veterans and dependent children. You may learn more at this website: https://www.tvc.texas.gov/education/hazlewood-act/

ONLINE COLLEGE & CAREER PLANNING TOOLS

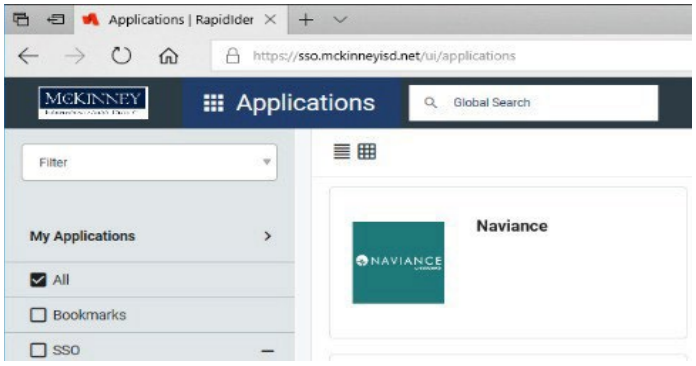
McKinney ISD is proud to partner with Naviance to offer a college and career planning portal to all secondary students. Naviance helps students and families connect what students do in the classroom to their life goals, including finding colleges and careers based on their personal skills and areas of interests. The Naviance platform gives schools, parents and students a central location to set goals and priorities for individual students, track their progress, and measure student outcomes across their entire student population in order to improve college and career readiness. Naviance helps students plan a course of action to reach their goals, find resources to prepare academically, and discover their own path.

Connect Learning and Life

Naviance enables students to find college and career pathways that are right for them:

- Set personalized goals and keep notes on the 4 Year Plan
- Assess strengths with a suite of career and learning style assessments
- Explore career options based on interests
- Search for colleges and maintain lists of potential college matches
- Review credits earned and view GPA and rank
- Research scholarships and other financial planning information
- Order transcripts and track their submission
- Apply to schools that use the Common Application

Students can access Naviance through the McKinney ISD SSO. Look for the green icon pictured on the right.



ADDITIONAL ONLINE RESOURCES

This list is provided as a service to MISD students and families. There is no intent on the part of MISD to endorse the organizations and web resources listed below nor is this list inclusive of all possible resources. The student and family are free to obtain information from any other source.

Career Exploration: Explore the world of career options

- http://www.texascareercheck.com/
- http://www.texasrealitycheck.com/
- http://www.bls.gov/k12/

College Readiness and Selection: Learn about prospective institutions

- http://www.collegeforalltexans.com/
- http://gentx.org/
- https://collegescorecard.ed.gov/
- http://youcango.collegeboard.org/
- https://bigfuture.collegeboard.org/
- http://knowhow2go.acenet.edu/
- http://nces.ed.gov/collegenavigator/
- http://www.fairtest.org/university/optional
- https://ldatx.org/resources/

College Application Sites: Save time in the application process

- https://goapplytexas.org/
- http://www.commonapp.org/
- http://www.coalitionforcollegeaccess.org/

Financial Planning: Get a head start on planning

- https://studentaid.ed.gov/
- http://www.thecb.state.tx.us/apps/txcrews/
- https://www.irs.gov/uac/tax-benefits-for-education-information-center
- http://www.finaid.org
- http://www.collegesavings.org
- https://www.tvc.texas.gov/education/hazlewood-act/

College Athletics: Participate in the college setting

- http://www.ncaa.org/student-athletes
- http://www.playnaia.org/
- http://www.njcaa.org/eligibility/index

Volunteer Information: Become active in the community

- http://volunteermckinney.org/

GRADUATION PLANNING

Students in Texas earn their diploma by accumulating credit for courses taken in specific areas and by passing the related state mandated assessments.

COURSE CREDIT

Students receive credit for courses by earning a grade of 70 percent or better. For courses that are one full year, students may earn credit if their average for the year is a 70% or higher. A course may not be repeated once credit has been earned. According to state law, students must attend 90 percent of the days a class is offered to receive credit.

STAAR/EOC TESTS

Students will be required to take the State of Texas Assessments of Academic Readiness (STAAR) End of Course Assessments (EOC). For more information about STAAR go to the website at: http://tea.texas.gov/student.assessment/staar/

ENDORSEMENTS

To address college and career readiness and postsecondary planning, students are required to plan their program of study to include courses that are connected by an endorsement area. Five endorsements are available:

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

An initial endorsement will be chosen in 8th grade and confirmed in 9th grade. For additional information, see your counselor.

COLLEGE ADMISSION REQUIREMENTS

MISD encourages students and parents to research admission requirements at prospective institutions to assist in course planning. There can be a difference between the state requirements and the expectations for college admissions or specific majors.

DISTINGUISHED LEVEL OF ACHIEVEMENT

Per the Academic Advising Expectations discussed on p. 4, MISD encourages students to pursue a Distinguished Level of Achievement. We believe this coursework will provide the most secure foundation for postsecondary success. In addition, students must graduate with this credential in order to be eligible for recognition in the Top 10% of their graduating class.

PERFORMANCE ACKNOWLEDGEMENTS

In addition to the endorsements mentioned above, students may be eligible to receive a performance acknowledgement for strong achievement in Advanced Coursework, Bilingualism, Advanced Examinations, College Readiness Examinations or Workforce Readiness Examinations. See your counselor for more information.

OTHER CURRICULUM REQUIREMENTS

In accordance with TEC §74.38, students in Texas are required to receive instruction in Cardiopulmonary Resuscitation (CPR). In MISD this instruction occurs in Health. Per TEC §74.39, students who enter grade 9 in 2018-19 or later will also receive instruction in proper interaction with peace officers.

BENEFITS OF EARNING AN ENDORSEMENT

TEA provides a graduation toolkit found at http://tea.texas.gov/communications/brochures.aspx. This toolkit is designed to guide students and families through the benefits of each endorsement to increase the likelihood of preparation and success in college and the workforce. It also includes information on various workforce resources provided through the Texas Workforce Commission. These resources assist students and parents in planning for postsecondary goals.

REQUIRED NOTIFICATION REGARDING ALGEBRA II

A student who graduates on the Foundation High School Program without taking Algebra II is not eligible for automatic admission to a Texas public college or university and may not be eligible for certain forms of financial aid. For more information visit: https://tea.texas.gov/Academics/Graduation_Information

REQUIRED NOTIFICATION REGARDING TEXAS FIRST EARLY HIGH SCHOOL COMPLETION PROGRAM

This program allows eligible students who demonstrate early readiness for college to graduate early from high school. To participate, students and parents should work closely with the school counselor and provide information such as standardized test scores. An MISD early graduation request form is also required. Please see your school counselor for more information and visit: https://www.highered.texas.gov/our-work/empowering-our-students/the-texas-first-diploma/

GRADUATION IN MCKINNEY ISD

The chart below lists courses that should be taken in specific subject areas to earn a high school diploma. Students may elect to graduate with a Foundation plus Endorsement or with a Distinguished Level of Achievement.

Students must also meet expectations for performance in the STAAR EOCs and must complete requirements for an endorsement. Following this chart is a transcript review tool that is designed to help students track their progress in earning credits towards graduation. Students may refer to prior report cards or access a list of grades and credits earned in Naviance.

NOTE: MISD offers a variety of coursework at different levels of academic intensity and rigor. Many of the courses listed below are offered as an academic grade level (Level I) course, as an Advanced, Advanced CTE or Dual Credit (Level II) or as an AP or Advanced CTE (Level III) course. See the course descriptions for more information.

SUBJECT AREA	FOUNDATION HIGH SCHOOL PROGRAM + ENDORSEMENT *Refer to McKinney ISD Endorsement Guide*	DISTINGUISHED LEVEL OF ACHIEVEMENT (MISD Expectation) Foundation + Endorsement *Refer to McKinney ISD Endorsement Guide*
English **4 Credits** ***(MISD expects students to take English IV, AP English IV or Dual Credit English to satisfy the 4th credit)***	English I, II, III & An Advanced English from one full credit or a combination of two half credits from two different courses subject to prerequisites: ▪ English IV ▪ AP English IV ▪ Dual Credit English ▪ College Preparatory English ▪ Newspaper III ▪ Yearbook III or IV ▪ Advanced Broadcast Journalism III	English I, II, III & An Advanced English from one full credit or a combination of two half credits from two different courses subject to prerequisites: ▪ English IV ▪ AP English IV ▪ Dual Credit English ▪ College Preparatory English
Math **4 Credits** ***(MISD expects students to take 4 years of math during high school regardless of completion of graduation credits, including Algebra II)***	MUST INCLUDE: Algebra I, Geometry, And two additional credits in advanced math (courses subject to prerequisite, please see counselor for details): • Algebraic Reasoning • Digital Electronics • Algebra II • College Preparatory Math • Statistics • Quantitative Reasoning • Pre-Calculus • AP Computer Science A • AP Statistics • AP Calculus • College Algebra (dual credit) • Calculus for Business and Social Sciences (dual credit) • Elementary Statistical Methods (dual credit)	MUST INCLUDE: Algebra I, Geometry, Algebra II And one additional credit in advanced math (courses subject to prerequisite, please see counselor for details): • Digital Electronics • College Preparatory Math • Statistics • Quantitative Reasoning • Pre-Calculus • AP Computer Science A • AP Statistics • AP Calculus • College Algebra (dual credit) • Calculus for Business and Social Sciences (dual credit) • Elementary Statistical Methods (dual credit)

23-24 ACADEMIC PLANNING GUIDE

Science **4 Credits** ***(MISD expects students to take 4 years of science during high school regardless of completion of graduation credits, including Biology, Chemistry, Physics and one additional advanced science credit)***	MUST INCLUDE Biology, Advanced Biology or AP Biology One credit must be selected from the following laboratory-based courses (courses subject to prerequisite, please see counselor for details): • *Integrated Physics and Chemistry (IPC) • Chemistry, Advanced Chemistry • AP Chemistry • Physics • Principles of Technology • AP Physics 1: Algebra-Based The additional credits may be selected from (courses subject to prerequisite, please see counselor for details): • Chemistry • Physics • Aquatic Science • Astronomy • Earth and Space Science (Dual credit GEOL 1401 and PHYS 1403) • AP Biology • AP Chemistry • AP Physics 1:Algebra-Based • AP Physics 2:Algebra-Based • AP Physics C • AP Environmental Science • Advanced Anatomy and Physiology • Animal Science • Forensic Science • **Principles of Technology (PT) • Advanced Engineering Science *If IPC is taken, the class must be successfully completed prior to taking chemistry and physics classes. **Credit may not be earned for both Physics and PT to satisfy a science credit.	MUST INCLUDE Biology, Advanced Biology or AP Biology One credit must be selected from the following laboratory-based courses (courses subject to prerequisite, please see counselor for details): • *Integrated Physics and Chemistry (IPC) • Chemistry, Advanced Chemistry • AP Chemistry • Physics • Principles of Technology • AP Physics 1: Algebra-Based The additional credits may be selected from (courses subject to prerequisite, please see counselor for details): • Physics • Aquatic Science • Astronomy • Earth and Space Science (Dual credit GEOL 1401 and PHYS 1403) • AP Biology • AP Chemistry • AP Physics 1:Algebra-Based • AP Physics 2:Algebra-Based • AP Physics C • AP Environmental Science • Advanced Anatomy and Physiology • Animal Science • Forensic Science • **Principles of Technology (PT) • Advanced Engineering Science *If IPC is taken, the class must be successfully completed prior to taking chemistry and physics classes. **Credit may not be earned for both Physics and PT to satisfy a science credit.
Social Studies 4 Credits	World Geography (or AP Human Geography), World History (or AAAS or AMAS), US History, Economics (.5 credit) and US Government (.5 credit)	World Geography (or AP Human Geography), World History (or AAAS or AMAS), US History, Economics (.5 credit) and US Government (.5 credit)
Fine Arts Required	1.0 credit	1.0 credit
Speech Required	0.5 credit Professional Communications, Business & Professional Communications or Communication Applications	0.5 credit Professional Communications, Business & Professional Communications or Communication Applications
Health Required	0.5 credit or 1.0 credit Principles of Health Science	0.5 credit or 1.0 credit Principles of Health Science
Languages Other Than English 2 credits ***(Must be two credits in the same language)***	2.0 credits In Languages Other Than English or Computer Science (Some colleges may not recognize computer science as a foreign language.)	2.0 credits In Languages Other Than English or Computer Science (please see counselor for details prior to selection)
Physical Education	1.0 credit	1.0 credit
Electives	5.0 credits (May include CTE or certification courses. Credit requirement specific to at least one endorsement.)	5.0 credits (May include CTE or certification courses. Credit requirement specific to at least one endorsement.)
TOTAL	**26 CREDITS (Including an Endorsement)**	**26 CREDITS (MUST INCLUDE Algebra II and an Endorsement)**

TRANSCRIPT REVIEW

Note: Courses may be recorded in the top credit check area and then also listed again the Endorsement Plan area at the bottom. * These courses are MISD graduation expectations.

English (4)	English I	English II	English III	English IV *
Math (4)	Algebra I	Geometry	MaMo / Alg. II	Alg. II / other *
Science (4)	Biology	Chem. / IPC	Physics / Chem.	Physics / Other *
Social Studies (4)	W. Geog. *	W. Hist.	US Hist.	Gov Econ

Health (.5)	*	**Comm. (.5)**	*	
Physical Ed (1)		**Fine Art**		
W. Language/Sub (2)				
Academic Electives (5)				
		Additional Credits (Beyond 26)		

STAAR EOC

Algebra I _____
Biology _____
English I _____
English II _____
US History _____

Endorsement Plan (4 credits through at least 3 classes) Career Interest:_____

Check One or More:

___Multidisciplinary Date: Initial:				
___STEM Date: Initial:				
___Arts & Hum. Date: Initial:				
___Bus & Ind Date: Initial:				
___Public Service Date: Initial:				

EARLY GRADUATION

Students must apply for early graduation no later than the spring of their junior year. Applicants should obtain credit verification with a counselor to formalize the student's plan for early graduation. Parent and principal approval are required. Students meeting graduation requirements before the scheduled graduation ceremonies may participate in the ceremonies. Students scheduled to complete credits during the summer after graduation may participate in the summer ceremony. Diplomas will be available once summer or correspondence work is posted to the transcript. Please additionally see the information on p. 9 regarding the Texas First Early High School Completion Program.

GRADE CLASSIFICATION

Students are classified by grade level based on the number of credits earned. Students are reclassified at the beginning of each school year. A student may be reclassified at the end of the fall semester pending principal approval. Number of credits required for grade classification is as follows:

- Freshmen - 9 0 – 5.5 credits
- Sophomore – 10 6 credits
- Junior – 11 12 credits
- Senior – 12 18 credits

LOCAL CREDIT/NO STATE CREDIT COURSES

The following courses are local credits that do not count toward state graduation requirements or overall grade point average:

- Office aide
- AVID tutor
- Student government leadership second year and beyond
- Independent Studio

EMBEDDED COURSEWORK

Students in MISD may earn more than one credit in one period by studying the TEKS associated with two subject areas during the period. Embedded credit is only available if the teacher is certified in both areas. The "bonus" credit will appear on the schedule in a zero or eighth period. The grade earned will appear on the transcript and be calculated into the GPA. See your campus counselor for more information.

GPA EXEMPT COURSES

To encourage students to participate in upper level courses and to retain and recruit students with specific interests, McKinney ISD will allow students to apply for a GPA exempt grading option. This option is helpful for students with a weighted GPA of 4.0 or greater. It is available for Juniors and Seniors only and for any 4.0 (Level I) course listed below. Students may earn up to four credits (eight semesters) through the GPA exempt option and must have completed all graduation course requirements in that area to apply. Courses that have an embedded credit, are only eligible for the GPA exemption to the main course and NOT the embedded credit course. There is an application process and a deadline to request GPA exemption. See your counselor for more information.

Courses Eligible for GPA exemption are:

- Athletics—Continuous enrollment for 3-4 years in any designated athletic course regardless of sport, does not include PE
- Fine Arts—Continuous enrollment for 3-4 years in band, color guard, choir, orchestra, theatre, dance/drill team
- Career and Technical Education—3rd or 4th course within a career cluster sequence
- Electives—a non-weighted 5th science credit (such as Forensic Science, Aquatic Science, Principles of Technology or Advanced Animal Science), Advanced Journalism II, III & IV, Editorial Leadership, Debate III and IV, Student Government Leadership I, AVID III and IV, PALS I and II, JROTC III and IV

SUMMER SCHOOL INFORMATION

Students in MISD may enroll in summer school to remediate credit for a failed course (credit recovery) or may enroll to earn credit in a subject the student has not yet taken (acceleration). Students often choose to accelerate credit to make room in the next year's schedule for desired electives, to study an area of interest or to meet the requirements of an early graduation plan. Courses may be offered in a face to face setting or through a self-paced online system. Face to face classes often have limited capacity for enrollment, so early registration is recommended. Attendance to all scheduled face to face classes is mandatory. Even students taking an online course must be available in person to take the exam at the end of the course. Online courses and courses completed prior to 9th grade do not count in the GPA and rank. Face to face classes taken after 9th grade count in the GPA and rank.

Information about summer school dates and registration procedures will be released later this spring.

OTHER SUMMER PROGRAMS

The district may offer additional programs in the summer of 2023 based on student needs. For instance, students that need additional instruction to prepare for the STAAR EOC will have access to instructional support in June. Other possible summer programs may include Athletic camps, Fine Arts programming, language support courses for newcomers and other enrichment programs.

ACADEMIC PROGRAMS

MISD offers programs that support students at all academic levels. Students who need support for special education, sheltered English as a Second Language (ESL) class, and gifted and talented may find out more information by contacting the counselors at their home campuses.

ALPHA-GIFTED AND TALENTED PROGRAM offers educational opportunities for gifted and talented students in the four core areas. Identified students are served in separate GT sections, GT clusters in Advanced and AP classes and independent study in areas of the student choice. All students new to MISD must follow the screening/ selection procedures for possible program admission. GT students who transfer from within the district automatically continue program placement. Referral forms for the ALPHA program are made available to all teachers, parents, and students through the administrator, counselor, GT specialist, or on the district website. Read more at : https://www.mckinneyisd.net/curriculum-and-instruction/gifted-talented/

SPECIAL EDUCATION SERVICES MISD offers special education services for students from age 3 - 21. Placement in any special-education class depends on eligibility and the decision and placement of the Admission, Review and Dismissal (ARD) Committee. A number of special education programs and classes are offered at the high school level. All special education courses are taken for credit, as are general education courses. Read more at: https://www.mckinneyisd.net/special-populations/

ENGLISH AS A SECOND LANGUAGE (ESL) CLASSES are offered at all MISD secondary campuses. These classes are foundation courses that consist mostly of ELL students. Sheltered courses deliver the grade- appropriate curriculum in a language and vocabulary- rich environment that helps English Language Learners (ELLs) succeed with the grade-level curriculum while continuing to develop their English language proficiency. English is the language of instruction in sheltered classes; however, primary language support is encouraged to ensure that the student fully understands the material. Students must be recommended for sheltered classes based on language proficiency needs. Course offerings may vary by campus depending on number and needs of the ELL population. Read more at: https://www.mckinneyisd.net/bilingual-esl/

CORRESPONDENCE COURSES

All high school students are eligible with prior approval to take correspondence courses and earn credit toward graduation, however, students are expected to consult with their counselor regarding course selection and sequencing. MISD approves courses taken through The University of Texas at Austin (https://highschool.utexas.edu/), Texas Tech (http://www.depts.ttu.edu/k12/) and Plano ISD's eSchool (https://www.pisd.edu/eschool). Counselors have specific information regarding all correspondence courses.

Correspondence Course Guidelines:

- Prior to enrollment, a student must make a written request to the principal or designee for approvalto enroll in the course. Credit toward graduation may not be awarded if approval was not granted in writing prior to enrollment.
- Correspondence courses cannot be averaged with a semester of coursework taken during the regular school year nor can they be averaged with another correspondence class.
- A senior, who is enrolled in a correspondence course and requires the credit for graduation, will complete the course and submit the grade for recording at least 30 days prior to the graduation date in order to be eligible for graduation at the end of the term.
- A student graduating early must follow the individual graduation contract approved by theprincipal.
- Grades will not count toward GPA or rank, but will appear on the transcript.
- Most correspondence exams require a proctored exam at the conclusion of the coursework. Please refer to the guidelines provided by the correspondence vendor for ordering the test and arranging a proctor.

ONLINE COURSES/DISTANCE LEARNING

McKinney ISD offers students in grades 8-12 options for alternative learning settings through tuition-based online/distance learning coursework. Students must request online/distance learning courses from their counselors and complete the contract. Courses may be used for credit recovery or credit acceleration. Students will be enrolled as soon as the online contract is completed. Per Board policy, in order to receive credit, a student shall obtain approval from the principal or designee prior to enrollment into the course. **Counselors have a list of online course offerings.**

Online Coursework Guidelines:

- Students taking online courses will follow all the correspondence course guidelines listed above.
- Students will have maximum of six weeks to complete an online course in summer school. A maximum of eighteen weeks will be required during a regular school year.

TxVSN

Students can also take courses via Texas Virtual Schools Network (TxVSN). The link to Board Policy is http://pol.tasb.org/Policy/Download/310?filename=EHDE(LEGAL).pdf. The TxVSN provides high school courses to supplement regular instructional programs. The high school counselor will register and approve all student course enrollments. Fees may vary by the course and the providing district. The calendar for TxVSN classes is set by the providing district. Students must follow the schedule and guidelines set in each course.

CONSIDERATIONS FOR ATHLETES IN CORRESPONDENCE OR ONLINE COURSES

Online or correspondence courses taken as a graduation requirement will count toward academic UIL (No Pass/No Play) and maintain the same eligibility calendar provided by MISD. All courses in progress are considered passing until notification is received from the provider. (Note: When completed, courses and grades will appear on the transcript, but will not be included in the GPA). Student athletes who take online coursework may not meet core course requirements for NCAA eligibility. An audit of the course modules and the amount of time spent on each module may be a subject for review by the NCAA Eligibility Center. More information on UIL eligibility is available on p.22.

CREDIT BY EXAM (CBE)

IF A STUDENT HAS TAKEN THE COURSE (CREDIT RECOVERY):

A student who has received prior instruction in a course or subject, but did not receive credit for it may, in circumstances determined by the teacher, counselor, principal, and/or attendance committee, be permitted by the district to earn credit by passing an exam on the essential knowledge and skills defined for the course or subject. To receive credit, a student must score at least 70 on the exam. In other instances, the district administration will determine if any opportunity for credit by exam will be offered.

The attendance review committee may offer a student with excessive absences an opportunity to earn credit for a course by passing an exam. A student may not use this exam, however, to regain eligibility to participate in extracurricular activities. For further information, see the counselor.

IF A STUDENT HAS NOT TAKEN THE COURSE (ACCELERATION):

A student will be permitted to take an exam to earn credit for an academic course for which the student has no prior instruction. The exams offered by the district are approved by the district's board of trustees and state law requires the use of certain exams, such as College Board Advanced Placement (AP) with a score of three or higher, College Level Examination Program (CLEP) tests with a scale score of 50 or higher, or percentage of 80 or above on any other criterion-referenced test approved by the Board for the applicable course.

The dates on which exams are scheduled during the 2023-2024 school year will be published in appropriate district publications and on the district's website. The only exceptions to the published dates will be for any exams administered by another entity besides the district. In this case, a student and the district must comply with the testing schedule of the other entity. During each testing window provided by the district, a student may attempt a specific exam only once.

A student may not attempt to earn credit by examination for a specific high school course more than two times. If a student fails to earn credit by examination for a specific high school course before the beginning of the school year in which the student would ordinarily be required to enroll in that course in accordance with the school district's prescribed course sequence, the student must satisfactorily complete the course to receive credit. If a student plans to take an exam, the student (or parent) must register with the principal or campus counselor, no later than 30 school days prior to the scheduled testing date.

The district may or may not honor a request by a parent to administer a test on a date other than the published dates. If the district agrees to administer a test during an alternate timeframe, the student's parent will be responsible for the cost of the exam. You may also contact the campus counselor for more information. [For further information, see policy EHDC (LOCAL).]

Study guides are available from Texas Tech at http://www.depts.ttu.edu/k12/current-students/forms/cbe-review-sheets/

Students who take any CLEP test must see campus counselor for district-approved credit. Below is the conversion chart for students who take a College Board Advanced Placement (AP) test without taking the course and score a three or higher. ***Note: Grades earned through a CBE will not be calculated into GPA***.

Score of AP Test	Numerical Grade	Letter Grade
3	80	B-
4	90	A-
5	100	A+

LEVEL II WEIGHTED PROGRAMS

ADVANCED PROGRAM

An Advanced course curriculum is an enriched, accelerated program based on introducing and developing College Board strategies. It is a Level II weighted course and receives more grade points than an academic Level I course.

Advanced courses expect a greater retention and appreciation of prior knowledge, as well as deeper understanding of the course topics. Advanced courses are designed to prepare for AP courses and teach the skills necessary for success in those courses. **Advanced courses may require up to 6 hours of preparation time per course per week and students should expect extensive reading and writing assignments.** Enrolling in an Advanced course is highly recommended for students who wish to take Advanced Placement courses in the future.

More information about Advanced coursework is available in the Weighted Course Agreement. **Students and parents are strongly encouraged to attend the Advanced information meeting when offered at the high school campus.**

OTHER LEVEL II WEIGHTED PROGRAMS

Certain advanced CTE courses and advanced electives are also Level II weighted courses. See the course descriptions for more information. Dual credit courses are also Level II weighted.

LEVEL III WEIGHTED PROGRAMS

ADVANCED PLACEMENT PROGRAM

Advanced Placement courses are college-level courses that follow the College Board Advanced Placement guidelines. An AP course is a Level III weighted course and receives more grade points than Level I and II courses. Level III classes are the most rigorous courses and are designed to prepare students for the AP exam. **AP courses may require up to 6 hours of preparation time per course per week and students should expect course subject matter and workload at a college level**. Colleges and universities have the option of accepting the AP results for college credit. Exams are graded on a 5 point scale with credit usually given for scores of 3 or higher.

Courses designated as "AP" are college-level courses. Students enrolled in AP courses are required to take the AP exam at the end of the year. MISD covers half of the exam cost and students are responsible for the remaining half. Additional financial assistance with the exam cost is available to families with financial need. For full year classes, payment is due prior to the Fall Break. For one semester spring classes, payment is due before Spring Break. Failure to take the exam on the designated date will result in additional fees for the returned exam and for the alternate exam. Therefore, if a student exits an AP class after the payment deadline, the fee is not refundable. Questions about exam fees should be directed to the Campus Testing Coordinator. If testing is disrupted by a catastrophic event (ie. a pandemic, weather, etc.), we will share information as it is available.

Students not enrolled in AP courses may take the AP exam at their own expense, including AP exams for courses that are not offered in MISD. Students should contact the AP Coordinator as early as possible to discuss test availability and the registration deadline.

If your child receives routine instructional accommodations due to a disability, please contact your campus to discuss the process for applying to receive instructional accommodations on the AP exam. The approval process can be lengthy, but is only completed one time during high school and then applies to all College Board exams including PSAT and SAT tests.

More information about AP coursework is available in the Weighted Course Agreement. **Students and parents are strongly encouraged to attend the AP information meeting when offered at the high school campus.**

OTHER LEVEL III WEIGHTED PROGRAMS

Certain advanced CTE courses and advanced electives are also Level III weighted courses. See the course descriptions for more information.

WEIGHTED COURSE EXIT GUIDELINES

MISD encourages students to participate in rigorous coursework to prepare for postsecondary success. We open our weighted courses to all students if they meet the prerequisites for the course. However, we recognize that once the school year has begun, for a variety of reasons some students may seek to change from a Level II or Level III course to a course on academic grade level. **It is required that prior to requesting a change, that the student and parent discuss the decision with the teacher.** Many interventions are available to assist students as they acclimate to the expectations in advanced coursework. Healthy academic struggle can build skills, increase academic self-confidence and build resiliency. Remember that the purpose of adding weighted points to advanced courses is to help reduce the impact of a slightly lower grade on the student's GPA. It should be noted that grades below 70 do not award credit or GPA points. Students must initiate the request to change. **In all cases, if the request is approved, schedule changes will be subject to course availability.** Note that the change may affect other components of the student's schedule, including lunch, order of classes or assigned teachers.

EXIT PROCEDURES—FIRST SEMESTER

- To request a change, students must obtain a weighted course exit form from Naviance and obtain all required signatures. Incomplete forms will not be processed.
- Exit forms must be turned in to the counselor **between the 16th and 20th day of the semester** for either a one-semester or two-semester course.
- If a student transfers out of a weighted class, the student's grades will directly transfer to the course the student enters (i.e. a 60 in an AP class becomes a 60 in a non-AP class). The student may be required to attend additional tutoring or complete assignments to become oriented with the activities of the new course.
- At the end of the first quarter, students may request to move to an available corresponding academic course if **ALL** of the following conditions are met: 1) the student is in an eligible weighted course (Advanced English I, Advanced English II, Advanced Algebra I, Advanced Geometry, Advanced Algebra II, Advanced Pre-Calculus, Advanced World Geography, Advanced Biology or Advanced Chemistry); 2) the student's quarter grade is anticipated to be below 70; 3) the student has attended at least three tutorial sessions and the teacher has documented other instructional interventions that were provided to support the student; 4) the student, parent, and teacher support the change; and 5) the exit form is submitted to the counselor by the last day of first quarter.
- A student may also exit a two-semester course at the end of the first semester. Exit forms must be submitted to the counselor **prior to the last day of the semester**. If a student's average is below a 70 prior to semester exams, students are recommended to request a change to academic level for the second semester.

EXIT PROCEDURES—SECOND SEMESTER

- Students beginning the second semester of a two-semester course are expected to remain in the course throughout the remainder of the year.
- AP Psychology, AP Government and AP Economics are one semester AP courses. A student may request to exit these specific courses **ONLY** during the first 5 days of the spring semester.
- To request a change, students must obtain a weighted course exit form from Naviance and obtain all required signatures. Incomplete forms will not be processed. Exit forms must be turned in to the counselor.
- If a student transfers out of a weighted class, the student's grades will directly transfer to the course the student enters (i.e. a 60 in an AP class becomes a 60 in a non-AP class). The student may be required to attend additional tutoring or complete assignments to become oriented with the activities of the new course.

CAMPUS STEERING COMMITTEE:

A student requesting to exit a weighted course at any other time must receive approval from the campus steering committee. Parents and students may be asked to appear before the committee in person to discuss the situation. **Prior to consideration by the steering committee, the student must:**

- Attend a minimum of three documented tutorial sessions and the teacher has documented other instructional interventions that were provided to support the student
- Attend a documented student/parent/ teacher conference.
- Obtain a weighted course exit form from Naviance and obtain all required signatures. Incomplete forms will not be processed. This form must be submitted to the counselor.

Regardless of the steering committee recommendation, changes will always be subject to course availability.

DUAL CREDIT PROGRAMS OVERVIEW

McKinney ISD students have the opportunity to take courses that provide both high school and college credit through a partnership between MISD and Collin College. A variety of courses can be taken for dual credit based on student need and college course offerings. **Dual credit courses are Level II weighted courses and students should expect course subject matter and workload at a college level.**

DUAL CREDIT GUIDELINES:

- Qualified students will be enrolled simultaneously in McKinney Independent School District and Collin College to receive high school as well as college credit.
- Classes are taught by Collin instructors according to the policies and procedures of the university. These classes do not follow McKinney ISD policies on topics such as parent contacts, accommodations and disability services, grade reporting, development of the semester exam, determining the semester grade and other procedures. Concerns or questions about those procedures should be directed towards the Collin representatives.
- Students must obtain approval by consulting with their counselor prior to initiating enrollment in courses at the community college, as well as satisfying the TSI (Texas Success Initiative) college entrance exam. Students must then complete a separate application and enrollment procedure at the college in order to complete registration for the course. Students should work closely with their counselor to select an appropriate section and time for dual credit classes. **Students and parents are strongly encouraged to attend the dual credit information meeting when offered at the high school campus.**
- Students must receive a grade of 70 or above to obtain high school credit for the course. *Students that earn a letter grade of D (60-69) may be awarded a 70 and earn credit for the course, however they may not be allowed to continue in the dual credit program with Collin College the following semester.*
- The community colleges charge tuition and fees for dual credit courses, however students that meet criteria for free or reduced lunch are eligible for a tuition waiver. Students are responsible for all books, fees and tuition.
- **Students MUST provide their own transportation to and from facility where the course is taught.**
- Students desiring to make a change to a dual credit course will be subject to the withdrawal procedures of Collin College. Additionally, any dual credit student that wishes to withdraw should immediately contact the campus counselor to discuss options to recover the credit.
- Any students who receive accommodations in high school will need to contact Collin College to apply for services through the ACCESS office. See the Collin website for additional information.

MISD recommends that students pursuing dual credit courses:

- Be on track to graduate within four years of beginning high school and maintain an overall GPA of 3.0.

You can learn more about the general education core on p. 20 and the technical cohort program on p. 103

The following courses* are available for dual credit:

- English Composition/Rhetoric (ENGL 1301 and ENGL 1302)
- World Literature I and II (ENGL 2332 and ENGL 2333)
- College Algebra (MATH 1314)
- Calculus for Business and Social Sciences (MATH 1325)
- Elementary Statistical Methods (Math 1342)
- Earth and Space Science (GEOL 1401 and PHYS 1403)
- U.S. History (HIST 1301 and HIST 1302)
- Principles of Macroeconomics (ECON 2301)
- American Government (GOVT 2305)
- Texas Government (GOVT 2306)
- Art Appreciation (ARTS 1301)
- Communication (SPCH 1321 or SPCH 1311)
- Medical Terminology (HITT 1305 & HPRS 2301)
- Health Science (NURA 1301, NURA 1160, HPRS 1303)
- Practicum in Health Science PCT (NUPC 1320, NUPC 1160, DSAE 1340, PLAB 1323)
- Practicum in Health Science EMT (EMSP 1371, EMSP 1501 & EMSP 1160)
- Additional dual credit options are available as a part of the Technical Cohort program. See p. 106 for more information.

COLLIN COLLEGE GENERAL EDUCATION CORE

MISD is proud to announce a new opportunity for any interested student to complete the Collin General Education Core while participating in dual credit in high school. This sequence of classes will meet several high school course requirements as well as provide 42 hours of college credit. It is designed to prepare students to complete an Associate of Arts degree from Collin College within two semesters after HS graduation. Many students who plan to transfer from Collin College to complete a Bachelor's degree at a public university in Texas would also benefit by completing the core prior to their transfer.

What is the Collin College General Education Core?

The *Texas Education Code* requires all public colleges and universities to have a core curriculum and every degree has a General Education Core requirement. Core curriculum is defined as "the curriculum in the liberal arts, humanities, sciences, and political, social and cultural history that all undergraduate students from a Texas institution of higher education are required to complete before receiving an associate or bachelor's degree." The General Education Core at Collin College is the collection of 42 credit hours of general education courses selected by Collin faculty in eight areas that have been approved by the Texas Higher Education Coordinating Board to build a basic core of knowledge. If a student completes these classes, the designation "Core Curriculum Complete" is placed on the college transcript. The State of Texas guarantees acceptance by a Texas public four-year university of any complete General Education Core transferred from any other Texas public college.

What dual credit classes must be completed in order to finish the Collin College General Education Core?

Not all classes that Collin has identified as meeting their core curriculum are offered as a dual credit course. Therefore, students must take the specific classes offered as both dual credit courses and designated General Education Core classes at Collin. Classes that meet this criteria are as follows:

Learning Framework (EDUC 1300)
Art Appreciation (ARTS1301)
Communications (SPCH 1311 or SPCH 1321)
Composition and Rhetoric I/II (ENGL 1301/ENGL 1302)
Earth and Space Science (GEOL 1401; PHYS 1403)
US History (HIST 1301/HIST 1302)
Macroeconomics (ECON 2301)
American Government (GOVT 2305)
Texas Government (GOVT 2306)
World Literature (ENGL 2332)
College Algebra (Math 1314)

The chart below is provided as an example sequence, but it is not the only possible path. Students should visit with their counselor to discuss the options for course placement. All dual credit participation is subject to the dual credit information and guidelines shared on p. 19.

Term	9th Grade	10th Grade	11th Grade	12th Grade
Fall		ARTS1301 (3 hours)	ENGL 1301 (3 hours) HIST 1302* (3 hours)	ENGL 2332 (3hours) ECON 2301 (3 hours) GEOL 1401 (4 hours) MATH 1314 (3 hours)
Spring	EDUC 1300 (3 hours)	SPCH 1311 or SPCH 1321 (3 hours)	ENGL 1302 (3 hours) HIST 1301* (3 hours)	ENGL 2333** (3 hours) GOVT 2305 (3 hours) PHYS 1403 (4 hours) GOVT 2306 (3 hours)

* HIST 1301 and 1302 can be taken in any order

** ENGL 2333 is not required to complete the General Education Core, however, it is required to satisfy the second half of the high school English IV requirement in this example.

To read more about the Collin College General Education Core, please visit
https://www.collin.edu/academics/programs/Core_Academic.html

POSTSECONDARY READINESS

Students are encouraged to take standardized tests as part of postsecondary planning. To prepare, we encourage students to become familiar with the options for tests that create opportunities after high school.

PSAT: The PSAT is administered during the school day to every 10th grade student. We encourage students to link their results into the free online SAT preparation courses. Students are also encouraged to register to repeat the PSAT during 11th grade so they may participate in National Merit and other recognition programs. See also: https://collegereadiness.collegeboard.org/psat-nmsqt-psat-10

SAT: The SAT is administered during the school day to every 11th grade student. Students may choose to take the additional SAT writing component at their own expense. This assessment is considered a college entrance exam and may be requested as part of college admissions. For more information, visit: https://collegereadiness.collegeboard.org/sat

ACT: Students are encouraged to take the ACT during 11th grade. This assessment is considered a college entrance exam and may be requested as part of college admissions. The ACT is different in structure and timing from the PSAT/SAT. For more information, visit: http://www.act.org/

ASVAB(Armed Services Vocational Aptitude Battery): the Department of Defense sponsors this free aptitude assessment and career interest inventory. The ASVAB is available for students in 10th-12th grade. See also: https://www.asvabprogram.com/

The Texas Success Initiative program is designed to help your Texas public colleges determine the appropriate placement for students that enroll in college level course work. For more information, visit: www.thecb.state.tx.us/TSI

If your child receives routine instructional accommodations due to a disability, please contact your campus to discuss the process for applying to receive instructional accommodations on standardized tests.

GRADING AND REPORTING

Please additionally refer to the information in MISD board policy EIA (Local) and EIA (Legal)

- The school year is comprised of two semesters, each consisting of approximately 90 days.
- A student will earn credit for a course only if the final grade is 70 or above. For a two-semester (1 credit) course, the student's grades from both semesters will be averaged and credit will be awarded if the combined average is 70 or above. Should the student's combined average be less than 70, the student will be required to retake the semester in which he or she failed.
- According to state law, students must attend 90 percent of the days a class is offered to receive credit.
- □ **Parents and students are encouraged to become familiar with the Home Access Center(HAC):** https://hac.mckinneyisd.net/homeaccess/
- Updated progress reports will be available every three weeks in the HAC. Report cards are published at nine-week intervals. Paper copies are available upon request.
- Grades in all subject areas will be defined by two categories:
    - **Summative.** These grades will comprise **70%** of a student's grade average in the course. (Students will complete a minimum 3 summative grades per quarter)
    - **Formative.** These grades will comprise **30%** of a student's grade average in the course. (Students will complete a minimum 10 formatives grades per quarter)

- The District shall permit a student who meets the criteria detailed in the grading guidelines a reasonable opportunity to redo a **summative** assignment when making below:
    - A 70 in Level III Courses
    - A 75 in Level II Courses
    - An 80 in Level I Courses

  Summative assessment may only be redone to support mastery learning. The student must notify the teacher of their intent to redo a summative assignment within two school days of the grade being posted in the Home Access Center (HAC) and the redo must occur within a reasonable time.

□ **Retesting Guidelines:**
- Prior to retesting on a summative task, students must attend at least one tutorial with their teacher of an appropriate designee in the department.
- Test corrections are not an adequate indicator of mastery learning. Instead, test corrections would be an expected component of tutorial preparation for the retesting opportunity. Test corrections will not be used to raise the student's score on the assessment.
- For any retakes, the grade will only be used if it is higher than the original grade earned on the assignment. The highest possible grade on any retaken assignment will be 70 in Level III courses, 75 in Level II courses and 80 in Level I courses.
- Only ONE retake/redo is allowable per assignment. Although only one opportunity is offered for redoing a specific assignment, there will be multiple opportunities for students to learn the content and achieve mastery.
- Students who are absent will follow the student absence guidelines for making up assignments.
- If the original assessment was given the last week of the grading period and a reasonable opportunity to redo is not available, the grade shall be taken for the next marking period.
- A final exam will not be allowed to be retaken regardless of the grade received.

- Teachers are required to send written progress notices, make telephone calls, or schedule parent conferences at the close of the third and sixth week of the reporting period if students are failing or are in danger of failing.

□ **Each teacher will offer tutorials on a regular basis for students who need extra help.**

SEMESTER EXAM EXEMPTION INFORMATION

McKinney ISD does not offer semester exam exemptions. All students are expected to take their final exams.

GRADES & UIL ELIGIBILITY

In regard to UIL eligibility, in accordance with EIA (local), a student shall be permitted "a reasonable opportunity to redo/retake a summative assignment/test as provided in administrative procedures, except that no student shall be permitted to retake a final exam." In support of mastery learning all students will be afforded the opportunity to **redo or retake tests**. These students should receive an **Incomplete "I"** until their assignments are retaken and the grade is changed to a numerical value. This is true for the first **six- week** UIL eligibility check, as well as the future nine-week eligibility checks. Students who are eligible to complete **make up** assignments after the last day of a grading period, can still make up their assignments (according to local policy) and change their UIL eligibility status. These students should receive an **Incomplete "I"** until their makeup assignments are completed and the grade is changed to a numerical value. Once the grade is changed to an eligible numerical value, the student will regain UIL eligibility, **even if this occurs after the UIL seven-day grace period.** This is true for the first **six-week** UIL eligibility check, as well as the future nine-week eligibility checks.

EXTRACURRICULAR PARTICIPATION

UIL participants should be aware of the following:

- Eligibility requirements for the first six weeks of each academic year's credits are determined by state graduation requirements. Students in grades 9-12 may participate in extracurricular activities at the beginning of the school year if the grade specific eligibility criteria below are met:
  - Beginning the 9th grade: Has been academically promoted to the 9th grade.
  - Beginning the 10th grade: Has earned 5 credits toward state graduation.
  - Beginning the 11th grade: Has earned 10 credits or a total of 5 credits in the last 12 months.
  - Beginning the 12th grade: Has earned 15 credits or a total of 5 credits in the last 12 months.
- UIL eligibility is based on semesters of participation and not years in high school.
- A student shall be suspended from participation in any extracurricular activity sponsored or sanctioned by the district or the UIL after a grade evaluation period in which the student received a grade lower than a 70 in any academic class other than those designated courses exempt from "no pass no play":
  1. Students are evaluated every three weeks for eligibility status. Loss of eligibility occurs at the end of the first six week's progress report and, thereafter, only at the end of the nine-week grading period. To regain eligibility, all students must be passing ALL courses.
  2. All students are eligible during Thanksgiving break, winter break and spring break.
  3. The grace period for eligibility is seven calendar days after evaluation, with the exception of holidays.
  4. Students lose eligibility from participation in extracurricular activities if, after a grade-evaluation period, the student receives a grade below 70 in any academic class other than an identified honors or advanced class.

Policy FM (Legal) outlines the advanced courses in MISD that are exempt from the "no pass, no play" rule:

- **English Language Arts:** AP English Language, AP English Literature, dual credit ENGL 1301, 1302, 2322, and 2333
- □ **Mathematics:** AP Calculus AB, AP Calculus BC, AP Statistics, Pre-Calculus, Advanced Pre-Calculus, dual credit MATH 1314 (College Algebra), MATH 1342 (Elementary Statistical Methods) and MATH 1325 (Calculus for Business and Social Sciences)
- **Science:** Advanced Anatomy and Physiology, AP Biology, AP Chemistry, AP Physics 1, AP Physics 2, AP Physics C, AP Environmental Science and dual credit GEOL 1401 and PHYS 1403
- **Social Studies:** AP World History, AP U.S. History, AP European History, AP Macroeconomics, AP Microeconomics, AP U.S. Government and Politics, AP Psychology, AP Human Geography and dual credit ECON 2301, GOVT 2305, GOVT 2306, HIST 1301 and 1302
- **Languages Other Than English:** AP Spanish Language, AP Spanish Literature, AP German Language, AP French Language and Languages other than English level IV-VII
- **Fine Arts:** AP Studio Art: 2-Design, AP Studio Art: 3-Design, AP Studio Art: Drawing, AP Music Theory, dual credit ART1301 Art Appreciation and AP Art History
- **Other:** AP Computer Science A, AP Computer Science Principles, Computer Science III & IV, Digital Electronics, and other approved dual credit courses in CTE or additional Advanced Placement courses approved by the district.

TRANSCRIPT EVALUATION GUIDELINES

When a transcript is received from an accredited school within the United States, transfer credit will be awarded for any course recognized by the state of Texas. When letter grades are all that is listed on the transcript, MISD high schools will use the scale below to convert from letter grade to a numeric grade **if one is not available** from the former district. When weighted GPA is calculated, the numeric grades will be subject to the GPA scale detailed on p. 25.

Letter Grade	Numerical Grade	IB Scale	Numerical %
A+	99	7	98
A	95	6	93
A-	91	5	87
B+	89	4	77
B	85	3	67
B-	81	2	63
C+	79	1	60
C	75		
C-	71		
D (when credit was awarded from transferring district)	70		
D (when credit was NOT awarded from transferring district)	69		
F	65		

Transcripts from Non-Public Schools:
Students who enroll in McKinney ISD with credits earned in non-public schools may only transfer credit if the non-public school was accredited. Information about the accreditation of non-public schools in Texas as well as a list of approved accreditation bodies is maintained by the Texas Private School Accreditation Commission (TEPSAC). TEPSAC reviews and certifies organizations as meeting the requirements made by the Commissioner of Education and as having standards comparable to 19 TAC Chapter 97. TEPSAC maintains an annually updated list of accredited non-public Texas schools: http://www.tepsac.org/app/index.html#/search/schools. If the non-public school is outside of Texas, only coursework completed at a school accredited by the appropriate regional or national accrediting association will be accepted. Please additionally refer to the information in MISD board policy FD (Local) and FD (Legal) for additional information about credit from non-accredited, non-public schools, including homeschool.

Transcripts from outside the United States:
Transcripts that require translation into English will not receive a letter grade or numerical equivalency. A "P" for passing will be assigned to designate that credit was earned. The maximum number of transcribed courses per year is eight. Accredited international schools that deliver the majority of the instruction in English or utilize an American-based curriculum, as well as Department of Defense schools, will be reviewed in the same manner as transcripts received from accredited schools from within the United States.

UNWEIGHTED GPA

MISD reports an unweighted GPA for each student on the transcript. Grade points are awarded based on the following scale, regardless of the level of the course.

*** UNWEIGHTED 4.0 GRADE POINT SCALE**

Numerical Grade Range	Letter Grade	Points Awarded		Numerical Grade Range	Letter Grade	Points Awarded
90-100	A	4.0		70-79	C	2.0
80-89	B	3.0		0-69	F	0

WEIGHTED COURSES & GPA SCALE

Classroom grade averages are reported in the familiar 100-point system on the report card. Grade point averages and class rankings are computed using the weighted 4.0 scale. This scale is used to weight the grades obtained in courses of varying levels of difficulty (AP, Advanced/Dual Credit, ISM, selected CTE and Academic). The course level is listed on the course description. Grade points shall be awarded according to the following scale:

*** WEIGHTED 4.0 GRADE POINT SCALE**

First Time Ninth Grade in 2022-23 and Prior

Grade	Letter	Level III	Level II	Level I
100	A	6.0	5.0	4.0
99	A	5.9	4.9	3.9
98	A	5.8	4.8	3.8
97	A	5.7	4.7	3.7
96	A	5.6	4.6	3.6
95	A	5.5	4.5	3.5
94	A	5.4	4.4	3.4
93	A	5.3	4.3	3.3
92	A	5.2	4.2	3.2
91	A	5.1	4.1	3.1
90	A	5.0	4.0	3.0
89	B	4.9	3.9	2.9
88	B	4.8	3.8	2.8
87	B	4.7	3.7	2.7
86	B	4.6	3.6	2.6
85	B	4.5	3.5	2.5
84	B	4.4	3.4	2.4
83	B	4.3	3.3	2.3
82	B	4.2	3.2	2.2
81	B	4.1	3.1	2.1
80	B	4.0	3.0	2.0
79	C	3.9	2.9	1.9
78	C	3.8	2.8	1.8
77	C	3.7	2.7	1.7
76	C	3.6	2.6	1.6
75	C	3.5	2.5	1.5
74	C	3.4	2.4	1.4
73	C	3.3	2.3	1.3
72	C	3.2	2.2	1.2
71	C	3.1	2.1	1.1
70	C	3.0	2.0	1.0
69	F	0.0	0.0	0.0

* Refer to MISD Board Policy EIC(LOCAL) and EIC(EXHIBIT) for further details.

**All courses are calculated into the GPA except: courses taken prior to 9th grade; online and correspondence courses; local credit courses; courses taken on a pass/fail basis rather than a numeric grade or F on a letter scale; credits earned by exam, and courses requested through the GPA exempt policy detailed on p. 13.

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* WEIGHTED 5.0 GRADE POINT SCALE

First Time Ninth Grade in 2023-24 and Beyond

Grade	Letter	Level III	Level II	Level I
100	A	6.0	5.5	5.0
99	A	5.9	5.4	4.9
98	A	5.8	5.3	4.8
97	A	5.7	5.2	4.7
96	A	5.6	5.1	4.6
95	A	5.5	5.0	4.5
94	A	5.4	4.9	4.4
93	A	5.3	4.8	4.3
92	A	5.2	4.7	4.2
91	A	5.1	4.6	4.1
90	A	5.0	4.5	4.0
89	B	4.9	4.4	3.9
88	B	4.8	4.3	3.8
87	B	4.7	4.2	3.7
86	B	4.6	4.1	3.6
85	B	4.5	4.0	3.5
84	B	4.4	3.9	3.4
83	B	4.3	3.8	3.3
82	B	4.2	3.7	3.2
81	B	4.1	3.6	3.1
80	B	4.0	3.5	3.0
79	C	3.9	3.4	2.9
78	C	3.8	3.3	2.8
77	C	3.7	3.2	2.7
76	C	3.6	3.1	2.6
75	C	3.5	3.0	2.5
74	C	3.4	2.9	2.4
73	C	3.3	2.8	2.3
72	C	3.2	2.7	2.2
71	C	3.1	2.6	2.1
70	C	3.0	2.5	2.0
69	F	0.0	0.0	0.0

* Refer to MISD Board Policy EIC(LOCAL) and EIC(EXHIBIT) for further details.

**All courses are calculated into the GPA except: courses taken prior to 9th grade; online and correspondence courses; local credit courses; courses taken on a pass/fail basis rather than a numeric grade or F on a letter scale; credits earned by exam, and courses requested through the GPA exempt policy detailed on p. 13.

RANKING OF STUDENTS

A student's grade point average (GPA) shall be determined by the total number of weighted grade points earned divided by the number of courses for which grades are recorded on the academic achievement record. All double-blocked courses count twice. Grade points are awarded according to the MISD weighted grade point scale for semester grades through the first semester of the senior year. To determine class rank, grade points for the second semester of the senior year, will be awarded based upon the third nine-week grades.

Valedictorian will be the student who has the highest GPA earned in grades 9-12. The salutatorian will be the student with the second highest GPA earned in grades 9-12. In the event that the student with the first or second highest GPA does not fully qualify, the next highest ranking class member who is fully qualified shall receive the honor.

To be eligible for valedictorian or salutatorian honors, a student shall:

1. Meet all requirements for graduation; and
2. Have been continuously enrolled in the same high school in the District for the two years immediately preceding graduation; and
3. Graduate at the end of the school year. Students who graduated at the conclusion of the first semester or in the summer are not eligible for these honors.

In the event of a tie for valedictorian or salutatorian (exact grade point average is rounded to the fourth decimal place), the tie will be broken by a series of tiebreakers, which are listed below in the order in which the tie breakers will be applied:

1. Calculate a weighted GPA for each student involved in the tie using only eligible semester grades earned after completion of grade 10.
2. Count the number of Level II and Level III courses taken by each student involved in the tie in grades 9–12.

If the tie is not broken after applying these methods, the District shall recognize all students involved in the tie as sharing the honor and title. (Refer to board policy EIC-LOCAL)

TOP 10% AND AUTOMATIC ADMISSION

Under the Uniform Admission Policy (TEC, §51.803), students that are ranked within the Top 10% of their graduating class are eligible for certain privileges when applying to public colleges in Texas, including automatic admission if they meet the criteria. **Students must graduate with a Distinguished Level of Achievement in order to be eligible for Top 10% recognition.** Additional information is available from the Texas Education Agency: https://tea.texas.gov/Academics/Graduation_Information/Automatic_College_Admission/

NOTES ON GPA AND RANK

College and universities may develop their own procedures for interpreting grade and rank information. It is not uncommon for those institutions to recalculate the GPA based on an internal formula. For example, some institutions may only consider grades earned in core areas or may utilize a different weighting scale. Check with your prospective institution for more information.

The GPA and rank will be calculated at the end of the school year for students in Grades 9 & 10. Students in Grade 11 will have a rank and GPA calculated at the end of the first semester and the end of the year. Students in Grade 12 will have GPA and rank calculated at the end of the first semester and at the end of the third quarter for final ranking purposes. Students may login to Naviance to check for the most recent GPA and rank.

NON-DISCRIMINATION ASSURANCE

It is the policy of the McKinney ISD not to discriminate on the basis of sex, handicap, race, color or national origin in its educational and vocational programs, activities or employment as required by Title IX, Section 504 and Title VI.

This document serves as a guide. The official document will be the current one posted on the MISD website. Any errors do not supersede local Board and/or state Board policies.

2023-2024 COURSE DESCRIPTIONS

Not all courses are offered at all campuses and are subject to availability.

ENGLISH

Possible career objectives for students with English/Language Arts training: Actor, Advertising Copywriter, Business Administrator, Court Reporter, Editor, Film, Radio and TV, Columnist, Publisher, Writer, Lawyer, Librarian/Media Specialist, Minister, Newscaster, Salesperson, Teacher, Industry/Business Writer, Critic, Blogger, and Politician

ENGLISH I Grade Placement: 9 Course #: 0110 Level: I Prerequisite: 8th grade English Credit: 1 unit	**ENGLISH I** is designed so that students engage in activities that build on prior knowledge and strengthen their reading, writing, and oral language skills. Students will read and write on a daily basis. They will read and understand a wide variety of literary and informational texts, compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail, know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information, listen and respond to the ideas of others while contributing their own ideas in conversations and in groups, and learn how to use the oral and written conventions of the English language in speaking and writing. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
ADVANCED ENGLISH I Grade Placement: 9 Course#: 0111 Level: Ⅱ Prerequisite: 8th grade English Credit: 1 unit	**ADVANCED ENGLISH I** engages students in learning all the essential knowledge and skills of English 1 while providing greater depth. The enhanced curriculum will prepare students to be successful in AP Language and Literature classes. Advanced and AP strategies will be employed when reading and writing. Students will be exposed to Advanced and AP reading and writing strategies, and AP writing prompts and texts. Students will read and analyze texts of varying genres, both classic and contemporary, and will complete writing tasks that will require them to persuade, argue, analyze literature, and synthesize material. The work done and the material used in an Advanced English course is done so to prepare students for AP as well as post-secondary success. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
ADVANCED ENGLISH I GT (HUMANITIES I) Grade Placement: 9 Course #: 0119 Level: Ⅱ Prerequisite: Identified GT, 8th grade English Credit: 1 unit	**ADVANCED ENGLISH I GT (HUMANITIES I)** is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for various aesthetic purposes. This course includes the study of major historical and cultural movements in World History and their relationship to literature and the other fine arts. Humanities is a rigorous course of study in which high school students respond to aesthetic elements in texts and other art forms through outlets such as discussions, journals, oral interpretations, and dramatizations. Students read widely to understand the commonalities that literature shares with the fine arts. In addition, students use written composition to show an in-depth understanding of creative achievements in the arts and literature and how these various art forms are a reflection of history. All students are expected to participate in classroom discussions and presentations that lead to an understanding, appreciation, and enjoyment of critical, creative achievements throughout history. Understanding is demonstrated through a variety of media. This course does not fulfill the Humanities credit. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**

ESOL I NEWCOMER Grade Placement: 9 Course #: 0113N Level: I Prerequisite: 8th grade English; LPAC Approval Credit: 1 unit	**English for Speakers of Other Languages (ESOL I) NEWCOMER** is based upon Texas Essential Knowledge and Skills. The curriculum for this course is designed to help newcomers acquire basic English language skills and vocabulary necessary for acclimation into a new country. It also includes intensive instruction in reading and writing in English to help students build literacy skills, increase oracy and develop practical language skills.
ESOL I Grade Placement: 9 Course #: 0113 Level: I Prerequisite: 8th grade English; LPAC Approval Credit: 1 unit	**English for Speakers of Other Languages (ESOL I)** is based upon Texas Essential Knowledge and Skills. The focus is on accelerated language acquisition in the domains of listening, speaking, reading, and writing skills. Materials used in the program reinforce learning strategies and are appropriate for the linguistic levels of the students and are also cognitively demanding.
ENGLISH I SHELTERED INSTRUCTION Grade Placement: 9 Course #: 4110 Level: I Prerequisite: 8th grade English; LPAC Approval Credit: 1 unit	**ENGLISH I SHELTERED INSTRUCTION** is designed so that students engage in activities that build on prior knowledge and strengthen their reading, writing, and oral language skills. Students will read and write on a daily basis. They will read and understand a wide variety of literary and informational texts, compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail, know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information, listen and respond to the ideas of others while contributing their own ideas in conversations and in groups, and learn how to use the oral and written conventions of the English language in speaking and writing. In this course, instruction will be adapted to align to the English proficiency levels of the students. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
ENGLISH II Grade Placement: 10 Course #: 0120 Level: I Prerequisite: English I Credit: 1 unit	**ENGLISH II** is designed so that students engage in activities that build on prior knowledge and strengthen their reading, writing, and oral language skills. Students will read literature from around the world and write on a daily basis. They will read and understand a wide variety of literary and informational texts, compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail, know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information, listen and respond to the ideas of others while contributing their own ideas in conversations and in groups, and learn how to use the oral and written conventions of the English language in speaking and writing. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
ADVANCED ENGLISH II Grade Placement: 10 Course #: 0121 Level: II Prerequisite: English I Credit: 1 unit	**ADVANCED ENGLISH II** Advanced English 2 engages students in learning all the essential knowledge and skills of English 2 while providing greater depth. The enhanced curriculum continues to provide students with knowledge and skills that will prepare students to be successful in AP Language and Literature classes. Advanced and AP strategies will be employed when reading and writing. Students will be exposed to Advanced and AP reading and writing strategies, and AP writing prompts and texts. Students will read and analyze texts of varying genres, both classic and contemporary, and will complete writing tasks that will require them to persuade, argue, analyze literature, and synthesize material. The work done and the material used in an Advanced English course is done so to prepare students for AP as well as post-secondary success. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**

ADVANCED ENGLISH II GT (HUMANITIES II) Grade Placement: 10 Course #: 0129 Level: II Prerequisite: identified GT, English I Credit: 1 unit	**ADVANCED ENGLISH II GT (HUMANITIES II)** is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for various aesthetic purposes. This course includes the study of major historical and cultural movements in World History and their relationship to literature and the other fine arts. Humanities is a rigorous course of study in which high school students respond to aesthetic elements in texts and other art forms through outlets such as discussions, journals, oral interpretations, and dramatizations. Students read widely to understand the commonalities that literature shares with the fine arts. In addition, students use written composition to show an in-depth understanding of creative achievements in the arts and literature and how these various art forms are a reflection of history. All students are expected to participate in classroom discussions and presentations that lead to an understanding, appreciation, and enjoyment of critical, creative achievements throughout history. Understanding is demonstrated through a variety of media. This course does not fulfill the Humanities credit. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
ESOL II NEWCOMER Grade Placement: 10 Course #: 0123N Level: I Prerequisite: ESOL I Newcomer; LPAC Approval Credit: 1 unit	**English for Speakers of Other Languages (ESOL II) NEWCOMER** is based upon Texas Essential Knowledge and Skills. The curriculum for this course is designed to help newcomers acquire basic English language skills and vocabulary necessary for acclimation into a new country. It also includes intensive instruction in reading and writing in English to help students build literacy skills, increase oracy and develop practical language skills. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
ESOL II Grade Placement: 10 Course #: 0123 Level: I Prerequisite: ESOL I; LPAC Approval Credit: 1 unit	**ESOL II** is the EL student's English II class. The curriculum for this course is based upon Texas Essential Knowledge and Skills. The focus is on accelerated language acquisition in the domains of listening, speaking, reading and writing skills. Materials used in the program reinforce learning strategies and are appropriate for the linguistic levels of the students and are also cognitively demanding. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
ENGLISH II SHELTERED INSTRUCTION Grade Placement: 10 Course #: 4120 Level: I Prerequisite: English I; LPAC Approval Credit: 1 unit	**ENGLISH II SHELTERED INSTRUCTION** is designed so that students engage in activities that build on prior knowledge and strengthen their reading, writing, and oral language skills. Students will read literature from around the world and write on a daily basis. They will read and understand a wide variety of literary and informational texts, compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail, know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information, listen and respond to the ideas of others while contributing their own ideas in conversations and in groups, and learn how to use the oral and written conventions of the English language in speaking and writing. In this course, instruction will be adapted to align to the English proficiency levels of the students. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**

ENGLISH III Grade Placement: 11 Course #: 0130 Level: I Prerequisite: English II Credit: 1 unit	**ENGLISH III** is designed so that students engage in activities that build on prior knowledge and strengthen their reading, writing, and oral language skills. Students will read American literature and write on a daily basis. They will read and understand a wide variety of literary and informational texts, compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail, know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information, listen and respond to the ideas of others while contributing their own ideas in conversations and in groups, and learn how to use the oral and written conventions of the English language in speaking and writing.
AP ENGLISH LANGUAGE AND COMPOSITION (AP ENGLISH III) Grade Placement: 11 Course #: 0131 Level: III Prerequisite: English II Credit: 1 unit	**AP ENGLISH LANGUAGE & COMPOSITION (AP ENGLISH III)** aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. **Students are required to take the AP exam.**
AP ENGLISH LANGUAGE AND COMPOSITION (HUMANITIES III) Grade Placement: 11 Course #: 0139 Level: III Prerequisite: identified GT, English II Credit: 1 unit	**AP ENGLISH LANGUAGE AND COMPOSITION (HUMANITIES III)** aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. The integrated curriculum model, which will study the major historical and cultural movements and their relationship to literature and the other fine arts, is designed to respond to high ability learners through advanced content and 21st century learning strategies. **Students are required to take the AP exam.**
ENGLISH III SHELTERED INSTRUCTION Grade Placement: 11 Course #: 4130 Level: I Prerequisite: English II; LPAC Approval Credit: 1 unit	**ENGLISH III SHELTERED INSTRUCTION** is designed so that students engage in activities that build on prior knowledge and strengthen their reading, writing, and oral language skills. Students will read American literature and write on a daily basis. They will read and understand a wide variety of literary and informational texts, compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail, know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information, listen and respond to the ideas of others while contributing their own ideas in conversations and in groups, and learn how to use the oral and written conventions of the English language in speaking and writing. In this course, instruction will be adapted to align to the English proficiency levels of the students.

ENGLISH IV Grade Placement: 12 Course #: 0140 Level: I Prerequisite: English III Credit: 1 unit	**ENGLISH IV** is designed so that students engage in activities that build on prior knowledge and strengthen their reading, writing, and oral language skills. Students will read British literature and write on a daily basis. They will read and understand a wide variety of literary and informational texts, compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail, know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information, listen and respond to the ideas of others while contributing their own ideas in conversations and in groups, and learn how to use the oral and written conventions of the English language in speaking and writing.
COLLEGE PREPARATORY ENGLISH Grade Placement: 12 Course #: 17145 Level: I Prerequisite: students will be placed in this course based on college readiness indicators including PSAT, SAT/ACT, and/or EOC scores Credit: .5 unit ***This course does not meet NCAA eligibility as a core class.***	**COLLEGE PREPARATORY ENGLISH** is designed in conjunction with Collin College to cover the content of the Collin College developmental (remedial, non-credit) English classes. This is a performance based course designed to develop students' critical reading and academic writing skills through extensive instruction emphasizing skills and techniques related to vocabulary, grammar, comprehension, paragraph elements, essay structure, and critical analysis that apply to both reading and writing. Students will demonstrate comprehension of varied texts through written responses, progressing from advanced paragraphs to well-developed, academic essays. **Enrollment is limited to college bound students who have demonstrated that they are at risk of needing to complete developmental English courses in College. Successful completion of this course earns a Texas Success Initiative (TSI) exemption at Collin College.**
ENGLISH IV SHELTERED INSTRUCTION Grade Placement: 12 Course #: 4140 Level: I Prerequisite: English III; LPAC Approval Credit: 1 unit	**ENGLISH IV SHELTERED INSTRUCTION** is designed so that students engage in activities that build on prior knowledge and strengthen their reading, writing, and oral language skills. Students will read British literature and write on a daily basis. They will read and understand a wide variety of literary and informational texts, compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail, know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information, listen and respond to the ideas of others while contributing their own ideas in conversations and in groups, and learn how to use the oral and written conventions of the English language in speaking and writing. In this course, instruction will be adapted to align to the English proficiency levels of the students.
AP ENGLISH LITERATURE AND COMPOSITION (AP ENGLISH IV) Grade Placement: 12 Course #: 0142 Level: Ⅲ Prerequisite: English III Credit: 1 unit	**AP ENGLISH LITERATURE AND COMPOSITION (AP ENGLISH IV)** aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. **Students are required to take the AP exam.**
AP ENGLISH LITERATURE AND COMPOSITION (HUMANITIES IV) Grade Placement: 12 Course #: 0149 Level: Ⅲ Prerequisite: identified GT, English III Credit: 1 unit	**AP ENGLISH LITERATURE AND COMPOSITION (HUMANITIES IV)** aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. The integrated curriculum model, which will study the major historical and cultural movements and their relationship to literature and the other fine arts, is designed to respond to high ability learners through advanced content and 21st century learning strategies. **Students are required to take the AP exam.**

COMPOSITION/RHETORIC I (dual credit) Grade Placement: 11 or 12 (11-12) Course #: 1311 (English III credit) Level: II Course #: 1301 (English IV credit) Level: II Prerequisite: counselor approval, Collin College admission Credit: .5 unit	**COMPOSITION/RHETORIC I (dual credit)** is a college freshman English course and is an intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Students must stay in the course the entire semester to receive credit. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.**
COMPOSITION/RHETORIC II (dual credit) Grade Placement: 11 or 12 (11-12) Course #: 1312 (English III credit) Level: II Course #: 1302 (English IV credit) Level: II Prerequisite: Composition/Rhetoric I, counselor approval Credit: .5 unit	**COMPOSITION/RHETORIC II (dual credit)** Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Students must stay in the course the entire semester in order to receive credit**. Students are responsible for all transportation, books, fees and tuition at the college.**
WORLD LITERATURE I **(dual credit)** Grade Placement: 12 Course #: 2332 (English IV credit) Level: II Prerequisite: Composition/Rhetoric II, counselor approval Credit: .5 unit	**ENGL 2332 WORLD LITERATURE I (dual credit)** A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. **Students are responsible for all transportation, books, fees and tuition at the college.**
WORLD LITERATURE II **(dual credit)** Grade Placement: 12 Course #: 2333 (English IV credit) Level: II Prerequisite: ENGL 1302 Composition/Rhetoric II, counselor approval Credit: .5 unit	**ENGL 2333 WORLD LITERATURE I (dual credit)** A survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry, dramas, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. **Students are responsible for all transportation, books, fees and tuition at the college.**
CREATIVE WRITING Grade Placement: 11-12 Course #: 0779 Level: I Prerequisite: none Credit: .5 unit OR Course: 0106 Level: I Credit: 1 unit	**CREATIVE WRITING** provides an array of opportunities for creative written expression: poetry, short fiction, vignette, autobiography, dramatic and screen writing are included. Students will perfect their critical-reading skills through reading, discussion and writing assignments. Also they will learn the conventions of critique and collaboration in a workshop setting.

JOURNALISM **ENDORSEMENT AREA: BUSINESS & INDUSTRY**

Possible career objectives for students with journalism training: Advertising, Freelance Writer, Mass Communications, Paste-up/Layout, Photography, Public Relations, Teacher, Script Writer, Speech Writer, Government, Business Communication, Broadcasting, Graphic Artist, Lawyer, Designer, Proofreader/Editor, Researcher, Technical Writer, Columnist, Salesperson, Magazines, Consultant, Blogger, and Politician

JOURNALISM I Grade Placement: 9-12 Course #: 0761 Level: I Prerequisite: none Credit: 1 unit	**JOURNALISM I** is an advanced writing course and a prerequisite for newspaper, online news and yearbook. Adobe Creative Suite software will be used to design all media. Students will study media literacy, the history of the press and the freedoms guaranteed under the First Amendment.
PHOTOJOURNALISM I Grade Placement: 9-12 Course #: 0765 Level: I Prerequisite: none Credit: .5 unit	**PHOTOJOURNALISM I** will master the use of the DSLR camera in manual mode using aperture, ISO, white balance and shutter speed. All work will be edited with Adobe Photoshop and Lightroom. Photographers will use composition techniques and technical skills to cover newsworthy events.
PHOTOJOURNALISM II Grade Placement: 9-12 Course #: 0766 Level: I Prerequisite: Photojournalism I Credit: .5 unit Fee required	**PHOTOJOURNALISM II** will have students develop a portfolio of work that is completed through a self-guided pursuit of interests. Students must be highly motivated and organized to succeed in this class. This class prepares students to become photographers for the newspaper/news magazine and yearbook staffs.
NEWSPAPER/LITERARY MAGAZINE/ ONLINE NEWS PRODUCTION ADVANCED JOURNALISM I, II, III Grade Placement: 10-12 Course #: I-0762, II-0763, III-0764 Level: I Prerequisite: Journalism I or Photojournalism I and application. Credit: 1 unit	**NEWSPAPER/LITERARY MAGAZINE/ONLINE NEWS PRODUCTION/ ADVANCED JOURNALISM I, II, III** offers students practical experience in the elements and processes or producing a student newspaper/online news site using Adobe Creative Suite and other industry software. Assignments and deadlines will require after school meetings. Advertisement sales may be required. Summer workshop is encouraged for all staff members and required for editors. With instructor approval, this course may be repeated for credit with a higher level of responsibility.
YEARBOOK PRODUCTION/ ADVANCED JOURNALISM I, II, III & IV Grade Placement: 9-12 Course #: I-19771, II-19772, III-19773, IV-19775 Level: I Prerequisite: Journalism I or Photojournalism I and application. 9th grade applicants must have prior yearbook experience. Credit: 1 unit	**YEARBOOK PRODUCTION/ADVANCED JOURNALISM I, II, III & IV** offers students practical experience in the elements and processes of producing a yearbook using Adobe Creative Suite and other industry software. Assignments and deadlines will require after school meetings. Advertisement sales may be required. Summer workshop is encouraged for all staff members and required for editors. With instructor approval, this course may be repeated for credit with a higher level of responsibility. **This course has limited enrollment.**
EDITORIAL LEADERSHIP Grade Placement: 11-12 Course #: Newspaper - 0776; Yearbook – 0775 Level: I Prerequisite: editorial position for yearbook or newspaper, instructor approval for editorial responsibilities Credit: 1 unit	**EDITORIAL LEADERSHIP** duties are to be carried out during the self-directed class time. Staff manuals are also to be developed as part of a portfolio. Specify yearbook or newspaper on registration form.

SPEECH **ENDORSEMENT AREA: BUSINESS & INDUSTRY**

Possible career objectives for students with speech training: Advertising, Freelance Writer, Mass Communications, Public Relations, Teacher, Speech Writer, Government, Business Communications, Broadcasting, Lawyer, Researcher, Salesperson, Consultant, and Politician

PROFESSIONAL COMMUNICATIONS Grade Placement: 9-12 Course #: 0970 Level: I Prerequisite: none Credit: .5 unit	**PROFESSIONAL COMMUNICATIONS** **fulfills the graduation requirement for speech and serves as an introductory course for all endorsements in CTE**. Students identify, analyze, develop and evaluate communication skills needed for professional and social success in interpersonal, group and professional interactions and presentations.
BUSINESS AND PROFESSIONAL COMMUNICATION (dual credit) Grade Placement: 9-12 Course #: 1321 Level: II Prerequisite: counselor approval, Collin College admission Credit: .5 unit	**SPCH 1321 BUSINESS AND PROFESSIONAL COMMUNICATION (dual credit) this course fulfills the speech requirement.** Study and application of communication within the business and professional context. Special emphasis will be given to communication competencies in presentations, dyads, teams, and technologically mediated formats. Additionally, it includes the relationship of communication to organizational conflict, management and international business; practice in conducting and participating in business interviews and presentations. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.**
INTRODUCTION TO SPEECH COMMUNICATION (dual credit) Grade Placement: 9-12 Course #: 201311 Level: II Prerequisite: counselor approval, Collin College admission Credit: .5 unit	**SPCH 1311 INTRODUCTION TO SPEECH COMMUNICATION (dual credit) this course fulfills the speech requirement.** Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.**
COMMUNICATION APPLICATIONS Grade Placement: 9-12 Course #: 0785 Level: I Co-requisite: enrollment in an eligible course Credit: .5 unit embedded	**COMMUNICATION APPLICATIONS** can be integrated or embedded into the curriculum of certain multi-year programs. This course will meet the requirement for speech **.**This course will challenge students to develop communication skills needed for professional and social success in interpersonal, group and professional interactions and presentations. ***In order to receive this embedded credit, the campus teacher must have speech certification. Credit will only be awarded during second semester of the specific course designated by the campus as eligible to receive the embedded credit. Embedded credit will be reflected on the transcript and be counted towards GPA as a separate course. Communication Applications is not eligible for GPA exemption.***
DEBATE I Grade Placement: 9-12 Course #: 0786 Level: I Prerequisite: none Credit: 1 unit	**DEBATE I** provides practical experience in argumentation and debate within individual and team settings. Concepts and skills used to research topics, make decisions and resolve conflicts are explored in depth. Students must be self-motivated and must sign a class contract.
DEBATE II-IV Grade Placement: 10-12 Course #: II-0787; III-0788; IV-0789 Level: I Prerequisite: instructor approval Credit: 1 unit	**DEBATE II-IV** students will prepare for speech competition in debate and speaking events. **Attendance at tournaments is required. Students must sign a class contract.** ***A student in the Debate program may be eligible to receive embedded credit for the course Communication Applications. See the course description on p. 34 and/or the counselor for more information.***

MATHEMATICS **ENDORSEMENT AREA: STEM**

Possible career objectives for students with adequate mathematics training: Accounting, Actuary, Architect, Banker, Business, Data Processor, Engineer, Financial Analyst, Physicist, Pre-medicine, Science/Social Science Research, Government Agencies, Statistician, Systems Analyst, Teacher, Salesperson, and Investment

McKinney ISD expects all students take 4 years of mathematic during high school, including Algebra II.

ALGEBRA I Grade Placement: 9 Course #: 0200 Level: I Prerequisite: 8th grade math Credit: 1 unit	**ALGEBRA I** includes work with functional relationships and problem solving in real situations, including, but not limited to, such skills as table building, coordinate graphing, algebraic analysis, equation writing, equation solving, operations with polynomials, factoring and computation. Students have opportunities to develop logical reasoning by making and justifying generalizations based on experience with fundamental algebraic concepts. Successful completion of this course is required before the student may proceed to further math courses. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
ADVANCED ALGEBRA I Grade Placement: 9 Course #: 0201 Level: II Prerequisite: 8th grade math Credit: 1 unit	**ADVANCED ALGEBRA I** the curriculum provides a more in-depth study of algebraic concepts through higher thinking processes. Students develop strategies to prepare them for future Advanced Placement (AP) courses. Successful completion of this course is required before the student may proceed to further math courses. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
GEOMETRY Grade Placement: 9-11 Course #: 0210 Level: I Prerequisite: Algebra I & successful completion of Algebra I EOC Credit: 1 unit	**GEOMETRY** connects students to the world outside of school through a variety of applications and settings. Students have opportunities to develop deductive, inductive, creative and critical thinking skills within a framework, which includes plane and solid geometry and studies of other types of geometry. Students also become familiar with the historical development and usefulness of formal mathematical structure.
ALGEBRAIC REASONING Grade Placement: 10 Course #: 22202 Level: I Prerequisite: Algebra I Credit: 1 unit ***This course does not meet NCAA eligibility as a core class.***	**ALGEBRAIC REASONING** In this course, students will continue to develop mathematical reasoning related to algebraic understandings and processes, and deepen their 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. **This course may not be taken after Algebra II.**
ADVANCED GEOMETRY Grade Placement: 9-11 Course #: 0213 Level: II GT Course #: 0214 Prerequisite: Algebra I & successful completion of Algebra I EOC Credit: 1 unit	**ADVANCED GEOMETRY** the curriculum provides a more in-depth study of geometric concepts through higher thinking processes. Students develop strategies to prepare them for future Advanced Placement (AP) courses.

ALGEBRA II Grade Placement: 9-12 Course #: 0203 Level: I Prerequisite: Algebra I Recommended Prerequisite: Geometry or concurrent enrollment in Geometry Credit: 1 unit	**ALGEBRA II** is an advanced math course that continues to build upon Algebra I with extensive work in linear, quadratic, polynomial, rational, exponential and logarithmic functions. Problem solving in real situations is a focus. This course prepares students for advanced math and for college algebra.
ADVANCED ALGEBRA II Grade Placement: 9-12 Course #: 0205 Level: II GT Course #: 0206 Prerequisite: Algebra I Recommended Prerequisite: Geometry or concurrent enrollment in Geometry Credit: 1 unit	**ADVANCED ALGEBRA II** the curriculum provides a more in-depth study of algebraic concepts through higher thinking processes. Students develop strategies to prepare them for future Advanced Placement (AP) courses.
STATISTICS Grade Level: 11-12 Course #: 22250 Level: I Prerequisite: Algebra I and Geometry Credit: 1 unit	**STATISTICS** is a course in which 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. It is recommended that statistics be taken after Algebra II and or during 12 grade. ***This course will count as a 4th year math***.
QUANTITATIVE REASONING Grade Level: 11-12 Course #: 17207 Level: I Prerequisite: Geometry and Algebra II Credit: 1 unit	**QUANTITATIVE REASONING** is a course in which 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. Advanced Quantitative Reasoning is a fourth mathematics class designed for students who intend to major in non-technical fields of study upon entering college. ***This course will count as a 4th year math***.
COLLEGE PREPARATORY MATH Grade Placement: 12 Course #: 17245 Level: I Prerequisite: Algebra 2, students will be placed in this course based on college readiness indicators including PSAT, SAT/ACT, and/or EOC scores Credit: 1 unit ***This course does not meet NCAA eligibility as a core class.***	**COLLEGE PREPARATORY MATH** is designed in conjunction with Collin College to cover the content of the Collin College developmental (remedial, non-credit) math courses. Topics include a study of relations, functions, inequalities, algebraic expressions and equations (linear, polynomial, radical, rational),with a special emphasis on linear and quadratic expressions and equations. **Enrollment is limited to college bound students who have demonstrated that they are at risk of needing to complete developmental Mathematics courses in College. Successful completion of this course earns a Texas Success Initiative (TSI) exemption at Collin College.** ***This course will count as a 4th year math***.
PRE-CALCULUS Grade Placement: 10-12 Course #: 0218 Level: I Prerequisite: Geometry and Algebra II Credit: 1 unit	**PRE-CALCULUS** is a detailed study of linear, quadratic, polynomial, rational, exponential, logarithmic and trigonometric functions. Also studied are conic sections, vectors, parametric equations and sequences and series. This course will prepare students for college-level courses.
ADVANCED PRE-CALCULUS Grade Placement: 10-12 Course #: 0219 Level: II GT Course #: 0217 Prerequisite: Geometry and Algebra II Credit: 1 unit	**ADVANCED PRE-CALCULUS** follows that of Pre-Calculus but includes the additional studies of power functions, parametric equations, applications of vectors, and a more in-depth study of the Pre- Calculus topics and their applications and extensions. Analysis of problem situations by graphical means will be emphasized.

AP STATISTICS Grade Placement: 11-12 Course #: 0250 Level: III GT Course #: 0251 Prerequisite: Geometry and Algebra II Credit: 1 unit	**AP STATISTICS** is a rigorous College-Board defined course that introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Statistical methods and measurements are developed in the context of applications. **Students are required to take the AP exam.**
AP CALCULUS AB Grade Placement: 11-12 Course #: 0220 Level: III GT Course #: 0221 Prerequisite: Pre-Calculus (Advanced Pre-Calculus preferred). Credit: 1 unit	**AP CALCULUS AB** is a rigorous College-Board defined course. The course includes a study of limits, differentiation, integration and application. Students are expected to have a firm understanding of all functions and their graphs from prior courses, as well as a firm understanding of algebraic, geometric and trigonometric skills. **Students are required to take the AP exam.**
AP CALCULUS BC Grade Placement: 11-12 Course #: 0223 Level: III GT Course #: 0224 Prerequisite: Pre-Calculus (Advanced Pre-Calculus preferred) Credit: 1 unit	**AP CALCULUS BC** is a rigorous College-Board defined course in the calculus of functions. The course includes a study of all topics covered in AP Calculus AB with in-depth extensions. Additional topics to be studied include parametric, polar and vector functions, and polynomial approximations and series. Students are expected to have a complete understanding of all functions and their graphs from prior courses, as well as a complete understanding of algebraic, geometric and trigonometric skills. **Students who previously completed AP Calculus AB will, in the first semester of AP Calculus BC, repeat content covered in AP Calculus AB. Therefore, students who completed AP Calculus AB are advised to enroll in concurrent Calculus II at Collin College or in AP Statistics. Students are required to take the AP exam.**
COLLEGE ALGEBRA (dual credit) Grade Placement: 10-12 Course #: 1314 Level: II Prerequisite: Algebra 2, counselor approval, Collin College admission Credit: .5 unit	**MATH 1314 COLLEGE ALGEBRA (dual credit)** meets at Collin College for one semester. The course is a study of relations and functions including polynomial, rational, exponential, logarithmic and special functions. Other topics include complex numbers, systems of equations and inequalities, theory of equations, progressions, the binomial theorem, proof and applications. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.**
CALCULUS FOR BUSINESS AND SOCIAL SCIENCES (dual credit) Grade Placement: 11-12 Course #: 1325 Level: II Prerequisite: Pre-Calculus or Advanced Pre- Calculus, counselor approval, Collin College Admission Credit: .5 unit	**MATH 1325 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES (dual credit)** provides an introductory study of the business applications of calculus. Topics include limits, rates of change, differentiation, graphing and optimization, integration and selected applications of calculus, business. Although this course does not have a corresponding AP exam, it is an advanced math course comparable to a college course in business calculus. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.**

ELEMENTARY STATISTICAL METHODS (dual credit) Grade Placement: 10-12 Course #: 1342 Level: II Prerequisite: Algebra 2, counselor approval, Collin College Admission Credit: .5 unit	**MATH 1342 ELEMENTARY STATISTICAL METHODS (dual credit)** meets at Collin College for one semester. The course involves the collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of a graphing calculator is required. Lab required and is part of the 3 hour class. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.**

SCIENCE

ENDORSEMENT AREA: STEM

Possible career objectives for students with adequate science training: Biologist, Geologist, Medical Professions, Mining, Museum Curator, Public Health, Environmental Protection, Game Management, Lab Technician, Industrial Chemist, Microbiologist, Physicist, Forestry, Park Services, Research, Teacher, Agriculture, Zoo/Marine Biologist, Pharmacist, Forensic Science, Medical Technician, Engineering, and Meteorologist

McKinney ISD expects all students take 4 years of science, including Biology, Chemistry and Physics.

BIOLOGY Grade Placement: 9 Course #: 0310 Level: I Prerequisite: none Credit: 1 unit	**BIOLOGY** In Biology, 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: 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 requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
ADVANCED BIOLOGY Grade Placement: 9 Course #: 0311 Level: II GT Course #: 0319 Prerequisite: none Credit: 1 unit	**ADVANCED BIOLOGY** covers the same topics as Biology but with more depth to prepare students for AP Biology or a college-level biology course. Higher-level thinking skills and problem-solving strategies will be used not only with course topics but also with tests, labs, projects, and other assignments. Students will use scientific method to design experiments, analyze data and draw conclusions while conducting lab investigations. These skills will prepare students for the rigorous labs in AP/college science courses. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
AP BIOLOGY Grade Placement: 9-12 Course #: 0312 Level: III GT Course #: 0314 Credit: 1 unit	**AP BIOLOGY** is an advanced biology course designed to be the equivalent of a two-semester college introductory biology course. Students using this curriculum framework as its foundation will also develop advanced inquiry and reasoning skills, such as designing a plan for collecting and analyzing data, applying mathematical routines, and connecting concepts in and across domains. **Students are required to take the AP exam. This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.** ***This course may be used to meet the 9th grade Biology requirement or as a 4th year science if student has already taken Biology or Advanced Biology.***
INTEGRATED PHYSICS AND CHEMISTRY Grade Placement: 9-10 Course #: 0300 Level: I Prerequisite: none Credit: 1 unit	**INTEGRATED PHYSICS AND CHEMISTRY** In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific methods 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. **Students who choose to take this course MUST take it prior to chemistry and physics, please consult your counselor for details.**
AQUATIC SCIENCE Grade Placement: 11-12 Course #: 0350 Level: I Prerequisite: Biology and IPC Corequisite: Chemistry Credit: 1 unit	**AQUATIC SCIENCE** Aquatic science is the study of topics that include: roles of cycles in an aquatic ecosystem; geologic and fluid dynamics; components of aquatic ecosystems, fresh, salt and estuary; relationships among aquatic habitats and ecosystems; changes within aquatic habitats and environments; and the origin and use of water in a watershed. It is a course in which students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving.

CHEMISTRY Grade Placement: 10-11 Course #: 0320 Level: I Prerequisite: Biology, Algebra I Credit: 1 unit	**CHEMISTRY** In Chemistry, 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 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.
ADVANCED CHEMISTRY Grade Placement: 10-11 Course #: 0321 Level: II GT Course #: 0329 Prerequisite: Biology, Algebra I Credit: 1 unit	**ADVANCED CHEMISTRY** students conduct laboratory and fieldwork investigations using scientific methods to make informed decisions. Mathematical applications are stressed. Students study various topics: structure of matter, energy changes, reaction types, atomic structure, acids, bases and salts, chemical and physical changes, gas laws, solutions, bonding, kinetics and equilibrium. Teaching strategies prepare students for AP Chemistry.
AP CHEMISTRY Grade Placement: 10-12 Course #: 0322 Level: III GT Course #: 0324 Prerequisite: Biology, Algebra I Corequisite: Algebra II or higher Credit: 1 unit	**AP CHEMISTRY** is designed to be the equivalent of the general chemistry course usually taken during the first college year. The course contributes to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. **Students are required to take the AP exam.**
PHYSICS Grade Placement: 11-12 Course #: 0340 Level: I Prerequisite: 2 units of Science including Biology and Chemistry, Algebra II or concurrently enrolled in Algebra II Credit: 1 unit	**PHYSICS** In Physics, 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: 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 will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.
AP PHYSICS 1: ALGEBRA-BASED Grade Placement: 11 Course #:0335 Level: III GT Course #: 0336 Prerequisite: Geometry Concurrently enrolled in: Algebra II or Pre-Calculus Credit: 1 unit	**AP PHYSICS 1: ALGEBRA-BASED** is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through learning, students will develop scientific critical thinking and reasoning skills. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. *Labs will be embedded in the course.* **Students are required to take the AP exam.**

AP PHYSICS 2: ALGEBRA-BASED Grade Placement: 12 Course #: 0337 Level: III GT Course #: 0338 Prerequisite: AP Physics I Corequisite: Math higher than Algebra II Credit: 1 unit	**AP PHYSICS 2: ALGEBRA-BASED** is an introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Twenty-five percent of instructional time is devoted to hands-on laboratory work, with an emphasis on inquiry-based investigations that provide opportunities to apply the science practices. **Students are required to take the AP exam.**
AP PHYSICS C: MECHANICS, ELECTRICITY AND MAGNETISM Grade Placement: 12 Course #: 0332 Level: III Prerequisite: Physics and AP Calculus or concurrent enrollment in AP Calculus Credit: 2 units	**AP PHYSICS C: MECHANICS, ELECTRICITY AND MAGNETISM** is an in-depth study of mechanics, electricity and magnetism. Methods of calculus are used, where appropriate, in formulating physical principles and applying them to problems. This course forms the first part of the college sequence that serves as the physics foundation for students majoring in the physical sciences or engineering. Each Physics C course includes a hands-on laboratory component comparable to a semester-long introductory college-level physics laboratory. This course is designed to prepare students for both the Physics C (Mechanics) and Physics C (Electricity and Magnetism) AP exams. This course will satisfy the required fourth year of science. **Students are required to take the AP exam.**
AP ENVIRONMENTAL SCIENCE Grade Placement: 11-12 Course #: 0352 Level: III GT Course #: 0353 Prerequisite: Biology and Chemistry Corequisite: Physics Credit: 1 unit	**AP ENVIRONMENTAL SCIENCE** The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to 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 or preventing them. The AP Environmental Science course includes a strong laboratory and field investigation component. The goal of this component is to complement the classroom portion of the course by allowing students to learn about the environment through firsthand observation. Experiences both in the laboratory and in the field provide students with important opportunities to test concepts and principles that are introduced in the classroom, explore specific problems with a depth not easily achieved otherwise, and gain an awareness of the importance of confounding variables that exist in the "real world." **Students are required to take the AP exam.**
ASTRONOMY Grade Placement: 12 Course #: 0355 Level: I Prerequisite: Biology, Chemistry and Physics Credit: 1 unit	**ASTRONOMY** students study the following topics: methods of observation, surveying the sky, motion of the earth and planets, ancient astronomy, light and telescopes, the solar system, stellar life cycles, galaxies, cosmology, and space exploration. An emphasis is placed on mathematical calculations. Nighttime and/or morning observations will be required at least once each quarter. ***This course will count as a 4th year science.***
ANIMAL SCIENCE Grade Level: 11-12 Course #: 0732 Level: I Prerequisite: Biology and Chemistry Corequisite: Physics Credit: 1 unit ***This course does not meet NCAA eligibility as a core class.***	**ANIMAL SCIENCE** meets the needs of students who want to advance their education within the animal systems pathway and prepares the students for careers in the animal science industry. Utilizing appropriate equipment and technology may enhance classroom and laboratory content. Students will apply knowledge of anatomy and physiology to produce and/or manage animals in a domesticated or natural environment and gain knowledge in species specific operations, genetics, livestock operation, processing, marketing, and reproduction. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. ***This course will count as a 4th year science.***

EARTH AND SPACE SCIENCE (dual credit) Grade Placement: 12 Course #: 1401 & 1403 Level: II Prerequisite: Biology, Chemistry and Physics, counselor approval**,** Collin College admission Credit: 1 unit	**GEOL 1401 & PHYS 1403 EARTH AND SPACE SCIENCE (dual credit)** is a capstone course designed to build on prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. An Earth- systems approach is used to investigate and study the themes of Earth in space and time, solid Earth and fluid Earth. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.**
FORENSIC SCIENCE Grade Level: 11-12 Course #: 0730 Level: I Prerequisite: Biology and Chemistry Corequisite: Physics Credit: 1 unit	**FORENSIC SCIENCE**, also known as criminalistics, is the application of science to criminal and civil laws. Forensic Science is a course that uses a structured and scientific approach to the investigation and analysis of civil and criminal crimes. Students will learn investigative procedures used to solve crimes and collect and analyze various types of evidence found at crime scenes. Areas of study include glass, hair, fiber, fingerprints, serology, blood typing, blood spatter, DNA, toxicology, firearms, ballistics, pathology, anthropology, odontology, and entomology. Students will also explore the history of forensic science and career options available in the field. ***This course will count as a 4th year science.***
ADVANCED ANATOMY AND PHYSIOLOGY Grade Placement: 11-12 Course #: 16947 Level: Ⅱ Prerequisite: Biology and Chemistry Corequisite: Physics Credit: 1 unit	**ADVANCED ANATOMY AND PHYSIOLOGY** extends understanding of the structure and function of the human body. Students will explore physiological systems and associated pathologies. Higher-order thinking is stressed through assessment and synthesis of the anatomical knowledge combined with exposure to clinical analysis and dissections. ***This course will count as a 4th year science.***

SOCIAL STUDIES **ENDORSEMENT AREA: ARTS & HUMANITIES**

Possible career objectives for students with adequate social studies training: Anthropologist, Archivist, Armed Forces, Journalist, Foreign Service, Government Service, Historian, Writer, Psychologist, Sociologist, Archaeologist, Curator, Economic Advisor, Law Enforcement, Cartographer, Intelligence, Teacher, Politician/Political Analyst, Social Worker, and Welfare Programs

WORLD GEOGRAPHY Grade Placement: 9 Course #: 0400 Level: I Prerequisite: none Credit: 1 unit	**WORLD GEOGRAPHY** students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. Students analyze how location affects economic activities in different economic systems. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment.
ADVANCED WORLD GEOGRAPHY Grade Placement: 9 Course #: 0401 Level: II Prerequisite: none Credit: 1 unit	**ADVANCED WORLD GEOGRAPHY** students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. Students analyze how location affects economic activities in different economic systems. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. **AP World History curriculum & strategies are embedded throughout the course.**
AP HUMAN GEOGRAPHY Grade Placement: 9 Course #: 0426 Level: III **GT HUMANITIES** #0427 Prerequisite: none Credit: 1 unit	**AP HUMAN GEOGRAPHY** course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. **Students are required to take the AP exam.** ***This course will fulfill one of the 4 social studies credit requirements for graduation if taken in lieu of World Geography.***

WORLD HISTORY Grade Placement: 10 Course #: 0410 Level: I Prerequisite: World Geography Credit: 1 unit	**WORLD HISTORY** is a survey of the history of humankind with a major emphasis is on the study of significant people, events, and issues from 8000BC to the present. Students will use the process of historical inquiry to research, interpret, and use multiple sources of evidence to study the following topics: the causes and effects of political and economic imperialism and of major political revolutions since the 17th century; the impact of geographic factors on major historic events; the historic origins of contemporary economic systems; the evolution of constitutional governments and the influence of historic documents; the historical development of important legal and political concepts; the history and impact of major religious and philosophical traditions; and the connections between major developments in science and technology and the growth of industrial economies.
AP WORLD HISTORY Grade Placement: 10 Course #: 0411 Level: Ⅲ **GT HUMANITIES** #: 0412 Prerequisite: World Geography or AP Human Geography Credit: 1 unit	**AP WORLD HISTORY** College Board is in the process of developing the new AP World History: Modern course. The new course will cover the years 1200 CE to present, with time included for students to focus on developing the AP history disciplinary practices and reasoning skills. The essential content will include: trade networks; state building in the Americas; state building in Africa; the ways Buddhism, Christianity, Confucianism, Hinduism, Islam, and Judaism shaped societies in Africa, Asia, and Europe; the emergence of new Hindu and Buddhist states in South and Southeast Asia; the fragmentation of the Abbasid Caliphate and emergence of new Islamic entities; intellectual, scientific, and technological innovations and transfers across states and empires; the rise and expansion of the Mongol Empire; agricultural societies, feudalism, and the manorial system in Europe; political and economic developments in the Song Dynasty; and global travelers. To ensure this course covers the TEKS required to meet the World History graduation requirement from TEA, this course will also include instruction on Development of River Valley Civilizations as well as the Classical and Post-classical Eras. **Students are required to take the AP exam.**
ADVANCED AFRICAN AMERICAN STUDIES Grade Placement: 10-12 Course #: 21450 Level: II Prerequisite: World Geography Credit: 1.0 unit	**ADVANCED AFRICAN AMERICAN STUDIES** is an interdisciplinary course that explores the history and cultural contributions of African Americans. This course will provide students with an opportunity to learn about significant people, events, and issues, especially as they pertain to the broader context of United States social, economic, and political history. The historical content of this course will be taught with relevance to contemporary and current issues in order to ensure a deeper understanding for students. Students will a variety of primary and secondary source materials and media. **This course will fulfill one of the 4 social studies credit requirements for graduation if taken in lieu of World History.**
ADVANCED MEXICAN AMERICAN STUDIES Grade Placement: 10-12 Course #: 21460 Level: II Prerequisite: World Geography Credit: 1.0 unit	**ADVANCED MEXICAN AMERICAN STUDIES** is an interdisciplinary course that explores the history and cultural contributions of Mexican Americans. This course will provide students with an opportunity to learn about significant people, events, and issues, especially as they pertain to the broader context of United States social, economic, and political history. The historical content of this course will be taught with relevance to contemporary and current issues in order to ensure a deeper understanding for students. Students will use a variety of primary and secondary source materials and media. **This course will fulfill one of the 4 social studies credit requirements for graduation if taken in lieu of World History.**

UNITED STATES HISTORY Grade Placement: 11 Course #: 0420 Level: I Prerequisite: World History Credit: 1 unit	**UNITED STATES HISTORY** is the study of United States History from 1877 to the present. This course is the second part of a two-year study that begins in Grade 8, where students study the history of the United States through 1877. Students will use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context to study the following topics: the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights; the impact of geographic factors on major events and eras; the impact of constitutional issues on American society; the dynamic relationship of the three branches of the federal government and the efforts to expand the democratic process; the relationship between the arts and popular culture and the times during which they were created; and the impact of technological innovations on American life. **This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
AP UNITED STATES HISTORY Grade Placement: 11 Course #: 0421 Level: III GT Course #: 0429 Prerequisite: World History Credit: 1 unit	**AP UNITED STATES HISTORY** focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. **Students are required to take the AP exam. This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
U.S. HISTORY I (dual credit) Grade Placement: 11 Course #: H1301 & H1302 Level: II Prerequisite: World Geography or AP Human Geography AND World History, counselor approval, Collin College admission Credit: .5 unit each	**HIST 1301 & HIST 1302 U.S. HISTORY I (dual credit)** focuses on development of American characteristics and institutions, including the forging of a new society from European, African and American cultures. Emphasis is on colonial and early national periods through the Civil War and Reconstruction. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This course requires an End Of Course (EOC) Exam. Successful performance on the EOC is a graduation requirement.**
UNITED STATES GOVERNMENT Grade Placement: 12 Course #: 0430 Level: I Prerequisite: U.S. History Credit: .5 unit	**UNITED STATES GOVERNMENT** focuses on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. This course is the culmination of the civic and governmental content and concepts studied from Kindergarten through required secondary courses. Students will study the following topics: the major political ideas and forms of government in history; the U.S. Constitution and its underlying principles and ideas; the role of government in the U.S. free enterprise system; the impact of individuals, political parties, interest groups, and the media on the American political system; the importance of voluntary individual participation in a constitutional republic; the rights guaranteed by the U.S. Constitution; and the relationship between governmental policies and the culture of the United States.
AP UNITED STATES GOVERNMENT AND POLITICS Grade Placement: 12 Course #: 0431 Level: III GT Course #: 0439 Prerequisite: U.S. History Credit: .5 unit	**AP UNITED STATES GOVERNMENT AND POLITICS** will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples and requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will use critical thinking, organizational, independent reading and writing skills throughout this course. Extensive outside preparation for class is required. **Students are required to take the AP exam.**

AMERICAN GOVERNMENT (dual credit) Grade Placement: 12 Course #: 2305 Level: Ⅱ Prerequisite: US History, counselor approval and Collin College admission Credit: .5 unit	**GOVT 2305 AMERICAN GOVERNMENT (dual credit)** is an introduction to politics and government in the United States and includes the origin and development of constitutional democracy in the United States, States, federalism and intergovernmental relations, local government and the political process. Students must stay in the course the entire semester in order to receive credit. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.**
ECONOMICS Grade Placement: 12 Course #: 0440 Level: I Prerequisite: U.S. History Credit: .5 unit	**ECONOMICS** is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. Students will apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issues through the study of the following topics: basic principles of production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world; the interaction of supply, demand, and price; the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy; the roles of the Federal Reserve System and other financial institutions; government, and businesses in a free enterprise system; the types of business ownership and market structures; and personal financial literacy.
AP MACROECONOMICS Grade Placement: 12 Course #: 0441 Level: Ⅲ GT Course#: 0449 Prerequisite: U.S. History Credit: .5 unit	**AP MACROECONOMICS** gives students a thorough understanding of the principles of economics that apply to an economic system as a whole with an emphasis on the study of national income and price-level determination. This course develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Some microeconomic concepts will be covered to ensure a broad understanding of basic economic principles. **Students are required to take the AP exam.**
PRINCIPLES OF MACROECONOMICS (dual credit) Grade Placement: 12 Course #: 2301 Level: Ⅱ Prerequisite: US History, counselor approval and Collin College admission Credit: .5 unit	**ECON 2301 PRINCIPLES OF MACROECONOMICS (dual credit)** covers the following concepts: decision-making in the public sector; economic analysis of inflation, unemployment, and economic growth; national income measurements; money and banking; monetary and fiscal policy; competing economic theories and international economics. Students must stay in the course the entire semester in order to receive credit. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.**
AP EUROPEAN HISTORY Grade Placement: 10-12 Course #: 0425 Level: Ⅲ Prerequisite: none Co-requisite: AP World History (10th grade students ONLY) Credit: 1 unit	**AP EUROPEAN HISTORY** provides the student with a basic knowledge of history in Europe from 1450 to the present. Three basic themes covered are intellectual and cultural history, political and diplomatic history and social and economic history. Students research and analyze historical evidence and write essays. ***This class will NOT satisfy the social studies requirement for graduation.*** **Students are required to take the AP exam.**
SPECIAL TOPICS IN AP HUMAN GEOGRAPHY Grade Placement: 10-12 Course #: 18426 Level: III Prerequisite: World Geography or Advanced World Geography; Students that have already taken AP Human Geography may not enroll in this course. Credit: 1 unit	**SPECIAL TOPICS IN AP HUMAN GEOGRAPHY** 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. ***This class will NOT satisfy the social studies requirement for graduation.*** **Students are required to take the AP exam.**

TEXAS GOVERNMENT (dual credit) Grade Placement: 12 Course #: 2306 Level: Ⅱ Prerequisite: US History, counselor approval and Collin College admission Credit: .5 unit	**GOVT 2306 TEXAS GOVERNMENT (dual credit)** is an introduction to the Origin and development of the Texas Constitution, structure and powers of the state and local government, federalism and inter-governmental relations, political participation, the election process, public policy and the political culture of Texas. **Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.** ***This class will NOT satisfy the social studies requirement for graduation.***
SOCIOLOGY Grade Placement: 10-12 Course #: 0769 Level: I Prerequisite: none Grade Placement: 9 Corequisite: Psychology Credit: .5 unit	**SOCIOLOGY** provides a systematic approach to the study of group dynamics and models of individual and group relationships. The functionalist, conflict and symbolic inter-actionist perspectives are evaluated in this introductory course. Topics include the history of sociology, research methods, social structure, deviance, prejudice, beliefs, the family and religion. ***This class will NOT satisfy the social studies requirement for graduation.***
PSYCHOLOGY Grade Placement: 10-12 Course #: 0767 Level: I Prerequisite: none Grade Placement: 9 Corequisite: Sociology or AP Psychology Credit: .5 unit	**PSYCHOLOGY** introduces the student to the science of psychology with emphasis on human behavior. This course includes the study of facts involved in human development, learning and thinking, intelligence, personality, abnormal behavior and treatment and careers in psychology. ***This class will NOT satisfy the social studies requirement for graduation.***
AP PSYCHOLOGY Grade Placement: 9-12 Course #: 0774 Level: Ⅲ Prerequisite: Successful completion of Psychology 0767 in prior Fall Semester (9th & 10th grade students ONLY) Credit: .5 unit	**AP PSYCHOLOGY** introduces students to the systematic and scientific study of the behavior and mental processes of human beings and animals. The course consists of the psychological facts, principles and phenomena associated with each of the major sub-fields within psychology. ***This class will NOT satisfy the social studies requirement for graduation.*** **Students are required to take the AP exam.**
PERSONAL FINANCIAL LITERACY Grade Placement: 10-12 Course #: 17002 Level: I Prerequisite: None Credit: .5 unit	**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. Students will 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 post-secondary education and training. ***This class will NOT satisfy the social studies requirement for graduation.***
PERSONAL FINANCE LITERACY & ECONOMICS Grade Placement: 11-12 Course # 23440 Level: I Prerequisite: None Credit: .5 unit ***This course does not meet NCAA eligibility as a core class.***	**PERSONAL FINANCE LITERACY & ECONOMICS .** In this course students are introduced to common economic and personal financial planning terms and concepts. This is an integrative course that applies the same economic way of thinking developed to making choices about how to allocate scarce resources in an economy to how to make them at the personal level. The course requires that students demonstrate critical thinking by exploring how to invest in themselves with education and skill development, earn income, and budget for spending, saving, investing, and protecting. Students will examine their individual responsibility for managing their personal finances and understand the impact on standard of living and long-term financial well-being. Further, students will connect how their financial decision making impacts the greater economy.

LANGUAGES OTHER THAN ENGLISH Endorsement area: Arts & Humanities

Possible career objectives for students proficient in languages other than English: Airline Personnel, Armed Forces, Foreign Office/Service, Communications, Counseling, Employment Services, Import/Export, Interpreter, Lawyer, Marketing, Minister, Sales Industry, Technical Expert, Anthropologist, Business Caseworker, Construction, Customs, Food Services, International Banking, Law Enforcement, Librarian, Missionary, Publisher, Teacher, and Tour Guide

MISD offers four languages other than English: American Sign Language, French, German, and Spanish. The following descriptions for each level describe the skills of language study: listening and receptive; reading; speaking and expressive; and, writing.

LOTE LEVEL 1-Novice Low to Novice High

AMERICAN SIGN LANGUAGE I Grade Placement: 9-12 Course #: 0195 Level: I Prerequisite: none Credit: 1 unit	**FRENCH I** Grade Placement: 9-12 Course #: 0170 Level: I Prerequisite: none Credit: 1 unit	**GERMAN I** Grade Placement: 9-12 Course #: 0180 Level: I Prerequisite: none Credit: 1 unit	**SPANISH I** Grade Placement: 9-12 Course #: 0160 Level: I Prerequisite: none Credit: 1 unit

Students on the Novice Level can identify the general topic and some basic information in both very familiar and everyday contexts by recognizing practiced or memorized words, phrases, and simple sentence sin texts that are spoken, written or signed. They can communicate in spontaneous spoke, written or signed conversations on both very familiar and everyday topics, using a variety of practiced or memorized words, phrases, simple sentences, and questions. Students on the novice level can present information on both very familiar and everyday topics using a variety of practiced or memorized words, phrases, and simple sentences through spoken, written, or signed language. The communicative skills of listening, speaking, and writing are used to enhance the interpretive mode of reading. At the end of Level 1, students of classical languages should reach a Novice High to Intermediate Low proficiency level in reading, a Novice Low to Novice Mid proficiency level in listening, a Novice Low to Novice Mid proficiency level in speaking, and a Novice Mid proficiency level in writing.

Listening and Receptive. At the novice level students can understand key words, true aural cognates, and formulaic expressions that are highly contextualized and highly predictable, such as those found in introductions and basic courtesies. Novice level students understand words and phrases from simple questions, statements, and high frequency commands. They typically require repetition, rephrasing, and/or a slower rate of speech for comprehension. They rely heavily on extra-linguistic support (i.e. visuals) to derive meaning.

Reading. At the novice level, readers can understand key words and cognates, as well as formulaic phrases that are highly contextualized. Novice level readers are able to get a limited amount of information from highly predictable texts in which the topic or context is very familiar. Readers at the novice level may rely heavily on their own background knowledge and extra-linguistic support to derive meaning. (not applicable for students of ASL)

Speaking and Expressive. Novice level students can communicate short messages on highly predictable every day topics that affect them directly. They do so primarily through the use of isolated words and phrases that have been encountered, memorized and recalled. Novice level students may be difficult to understand even by the most sympathetic interlocutors accustomed to non-native speech/expressions.

Writing. Writers at the novice level are characterized by the ability to produce lists and notes, primarily by writing words and phrases. They can provide limited formulaic information on simple forms and documents. These writers can produce practiced material to convey very simple messages. In addition, they can transcribe familiar words and phrases, copy letters of the alphabet to reproduce basic characters with some accuracy. (not applicable to ASL)

LOTE LEVEL 2-Novice High to Intermediate Low

AMERICAN SIGN LANGUAGE II Grade Placement: 10-12 Course #: 0196 Level: I Prerequisite: American Sign Language I Credit: 1 unit	**FRENCH II** Grade Placement: 10-12 Course #: 0171 Level: I Prerequisite: French I Credit: 1 unit	**GERMAN II** Grade Placement: 10-12 Course #: 0181 Level: I Prerequisite: German I Credit: 1 unit	**SPANISH II** Grade Placement: 9-12 Course #: 0161 Level: I Prerequisite: Spanish I Credit: 1 unit
ADVANCED AMERICAN SIGN LANGUAGE II Grade Placement: 10-12 Course #: 0199 Level: II Prerequisite: American Sign Language I Credit: 1 unit	**ADVANCED FRENCH II** Grade Placement: 10-12 Course #: 0174 Level: II Prerequisite: French I Credit: 1 unit	**ADVANCED GERMAN II** Grade Placement: 10-12 Course #: 0182 Level: II Prerequisite: German I Credit: 1 unit	**ADVANCED SPANISH II** Grade Placement: 9-12 Course #: 0164 Level: II Prerequisite: Spanish I Credit: 1 unit

LOTE LEVEL 3-Intermediate Low to Mid

ADVANCED AMERICAN SIGN LANGUAGE III Grade Placement: 11-12 Course #: 0197 Level: II Prerequisite: American Sign Language II or Advanced American Sign Language II Credit: 1 unit	**ADVANCED FRENCH III** Grade Placement: 11-12 Course #: 0172 Level: II Prerequisite: French II or Advanced French II Credit: 1 unit	**ADVANCED GERMAN III** Grade Placement: 11-12 Course #: 0183 Level: II Prerequisite: German II or Advanced German II Credit: 1 unit	**ADVANCED SPANISH III** Grade Placement: 9-12 Course #: 0163 Level: II Prerequisite: Spanish II or Advanced Spanish II or Spanish Speakers II Credit: 1 unit

Students on the Intermediate Level can understand the main idea and some pieces of information on familiar topics from sentences and series of connected sentences with texts that are spoken, written, or signed. They can participate in spontaneous spoken, written, or signed conversations on familiar topics, creating sentences and series of sentences to ask and answer a variety of questions. Students on the intermediate level can communicate information, make presentations, and express their thoughts about familiar topics, using sentences and series of connected sentences through spoken, written or signed language. The communicative skills of listening, speaking, and writing are used to enhance the interpretive mode of reading. At the end of Level 2, students of classical languages should reach am Intermediate Low to Mid proficiency level in reading, a Novice Mid to Novice High proficiency level in listening, a Novice Mid proficiency level in speaking, and a Novice Mid to Novice High proficiency level in writing. At the end of Level 3, students should reach an Intermediate High to Advanced Low proficiency level in reading, a Novice High proficiency level in listening, a Novice Mid to Novice High proficiency level in speaking, and a Novice Mid to Novice high proficiency level in writing.

Listening and Receptive. At the intermediate low level, students can understand the main idea and some pieces of information on familiar topics from sentences and series of connected sentences within texts that are spoken or signed. They can identify a topic and relate information from simple sentences in short informational podcasts or videos, for example, and in short conversations.

Reading. At the intermediate low level, readers can understand short, non-complex texts that convey basic information and deal with basic personal interest or knowledge, although some misunderstandings may occur. Readers at this level may get some meaning rom short connected texts featuring description and narration, dealing with familiar topics. (not applicable to ASL)

Speaking and Expressive. At the intermediate low level students can participate in conversations on familiar topics, speak or sign in complete sentences and series of sentences to ask and answer a variety of questions. They can request and provide information in conversations on familiar topics by creating simple sentences and asking appropriate follow-up questions. Intermediate low students communicate information, make presentations and express their thoughts about familiar topics, using sentences and series of connected sentences through spoken written or signed language. They can present information about their life, activities and events using simple sentences.

Writing. Writers at the intermediate mid can write short, simple communications, compositions, and requests for information in loosely connected texts about personal preferences, daily routines, common events, and other personal topics. Their writing is framed in present time but may contain references to other time frames. The writing style closely resembles oral discourse. Products at the intermediate mid writing level are best defined as a collection of discrete sentences and/or questions loosely strung together. There is little evidence of deliberate organization. Intermediate mid writers can readily be understood by natives used to the writing of non-natives. (not applicable to ASL)

LOTE LEVEL 4-Intermediate Mid to High

AMERICAN SIGN LANGUAGE IV (dual credit) Grade Placement: 12 Course #: 0198 Level: II Prerequisite: Adv. American Sign Language III, counselor approval, Collin College admission Credit: 1 unit **Note: course enrollment will be determined based on the Collin placement exam. Students are responsible for all transportation, books, fees, and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.**	**AP FRENCH IV** Grade Placement: 11-12 Course #: 0173 Level: III Prerequisite: Adv. French III Credit: 1 unit **Students are required to take the AP exam.**	**AP GERMAN IV** Grade Placement: 11-12 Course #: 0184 Level: III Prerequisite: Adv. German III Credit: 1 unit **Students are required to take the AP exam.**	**AP SPANISH LANGUAGE** Grade Placement: 9-12 Course #: 0167 Level: III Prerequisite: Spanish III or Adv. Spanish III Credit: 1 unit **Students are required to take the AP exam.**

Advanced Mid proficiency level in reading, a Novice high proficiency level in listening, a Novice Mid to Novice High proficiency level in speaking, and a Novice Mid to Novice High proficiency level in writing**.**
Listening. At the intermediate high level, students can follow the main message in various time frames, in straightforward, and sometimes descriptive, paragraph-length informational texts. They can usually follow the main story and actions expressed in various time frames in paragraph-length fictional texts. Listeners can usually understand the main idea and flow of events expressed in various time frames in conversations and discussions.
Reading. At the intermediate high level, students can follow the main message in various time frames in straightforward, and sometimes descriptive, paragraph-length informational texts. They can usually follow the main story and actions expressed in various time frames in paragraph-length fictional texts. Readers understand the main idea and flow of events expressed in various time frames in conversations and discussions.
Speaking. At the intermediate high level students can exchange information in conversations and some discussions on a variety of familiar and some concrete topics that they have researched, using connected sentences that may combine to form paragraphs and asking a variety of questions, often across various time frames. They can interact with others to meet their needs in a variety of situations, sometimes involving a complication, and asking a variety of questions, often across various time frames. Speakers on the intermediate high level can explain preferences, opinions, and emotions and provide advice on a variety of familiar and some concrete topics that they have researched. Intermediate high students can tell stories about school and community events and personal experiences, using a few short paragraphs, often across various time frames. They can state their point of view on familiar or researched topics and provide reasons to support it and give a detailed presentation on a variety of familiar topics and some concrete topics they have researched.
Writing. Writers at the intermediate high can write short, simple communications, compositions, and requests for information in loosely connected texts about personal preferences, daily routines, common events, and other personal topics. Writers develop presentations on a variety of familiar topics and some concrete topics they have researched, using a few short paragraphs, often across various time frames. Products at the intermediate high writing level are best defined as paragraph length writing samples. There is evidence of deliberate organization. Intermediate high writers can readily be understood by natives used to the writing of non-natives.

LOTE-Advanced Low to Mid

SPANISH FOR SPANISH SPEAKERS I Grade Placement: 9-12 Course #: 0165 Level: I Prerequisite: counselor or instructor approval Credit: 1 unit	**SPANISH FOR SPANISH SPEAKERS II** Grade Placement: 9-12 Course #: 0166 Level: I Prerequisite: Spanish for Spanish Speakers I Credit: 1 unit	**AP SPANISH LANGUAGE** Grade Placement: 9-12 Course #: 0167 Level: III Prerequisite: Spanish for Spanish Speakers I and II with teacher recommendation. Credit: 1 unit **Students are required to take the AP exam.**	**AP SPANISH LITERATURE** Grade Placement Recommended: 10-12 Course # 0168 Level: III Prerequisite: AP Spanish IV Credit: 1 Unit **Students are required to take the AP exam.**
Students on the Advanced Level can understand the main message and supporting details on a wide variety of familiar and general interest topics across various times frames from complex, organized texts that are spoken, written, or signed. They can maintain spontaneous spoken, written, or signed conversations and discussions across various times frames on familiar, as well as unfamiliar, concrete topics, using series of connected sentences and probing questions. Students on the advanced level can			

deliver detailed and organized presentations on familiar as well as unfamiliar concrete topics, in paragraphs and using various time frames through spoken, written, or signed language.

Listening. At the advanced low to mid level, students can understand the underlying message and most supporting details across major time frames. Listeners understand the main message and most supporting details across major time frames in conversations and discussions, and follow the flow of ideas and some nuances from different viewpoints in conversations and discussions (high).

Reading. At the advanced low to mid level, readers can understand the underlying message and most supporting details across major time frames in descriptive informational texts. Listeners can follow the main story and most supporting details across major time frames in fictional texts, and follow the flow of ideas and some nuances from different viewpoints in most fictional texts (high).

Speaking. At the advanced low to mid level students can maintain discussion on a wide variety of familiar and unfamiliar concrete topics of personal and general interest, and sometimes academic, social or professional topics by using probing questions and providing detailed responses across major time frames. Advanced mid students can interact and negotiate to resolve an unexpected complication that arises in a familiar situation, providing detailed explanations and offering a variety of resolutions across major time frames. Speakers on the advanced low and mid level can maintain extended conversations by supporting, reacting to, and comparing preferences and opinions and expressing advice and emotions in detail across major time frames, and by asking probing questions. Speakers can tell stories based on concrete experiences in academics, social, and professional topics of interest, using organized paragraphs across major time frames. They can give complex, detailed narrations beyond the concrete, often addressing abstract experiences or hypothetical issues(high).

Writing. Writers at the advanced low to mid level can present an argument with supporting evidence, based on a variety of concrete academic, social and professional topics of interest, using organized paragraphs across major time frames. They can clearly and accurately present an argument with supporting evidence on complex, concrete issues, and often deal with related issues hypothetically (high). Writers at the advances low to mid level deliver presentations and elaborate on a variety of concrete academic, social and professional topics of interest, using organized paragraphs across major time frames. They can deliver cohesive presentations on a variety of complex concrete topics related to community interests and some specialized fields, and often deal with related issues hypothetically (high).

TECHNOLOGY APPLICATIONS

ENDORSEMENT AREA: STEM

FUNDAMENTALS OF COMPUTER SCIENCE Grade Placement: 9-12 Course #: 21230 Level: I Prerequisite: none Credit: 1 unit	**FUNDAMENTALS OF COMPUTER SCIENCE** is an introductory computer science course that empowers students to use their communication, problem solving, and reasoning skills, which are the foundation of computer science, to create authentic digital projects. Students will learn about programming, web development, animation, games, cybersecurity, and computing tools used to solve real-world problems.
ADVANCED COMPUTER SCIENCE Grade Placement: 9-12 Course #: 0231 Level: II Prerequisite: Algebra I Credit: 1 unit	**ADVANCED COMPUTER SCIENCE** is an advanced level approach to programming, problem solving and analysis. This course is designed for those students who wish to prepare for AP Computer Science A. Students will use various software applications as well as the Java programming language throughout the course. Program logic and flow will be emphasized. Coding topics covered will include variables, lists, Boolean expressions, decision making, loops and methods.
AP COMPUTER SCIENCE PRINCIPLES Grade Placement: 9-12 Course #: 0237 Level: III Prerequisite: Algebra 1 Credit: 1 unit	**AP COMPUTER SCIENCE PRINCIPLES** introduces students to the foundational concepts of computer science and challenges students to explore how computing and technology can impact the world. The course will allow students to develop computational thinking vital for success across multiple disciplines. The course is unique in its focus on fostering students to be creative and encouraging students to apply creative processes when developing computational artifacts. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life. This course satisfies the prerequisite for taking the AP Computer Science A course. Additionally, this course will prepare students for the AP Computer Science Principles exam. **Students are required to take the AP exam.**
AP COMPUTER SCIENCE A Grade Placement: 9-12 Course #: 0233 Level: III Course #: 19233 Level: not counted in GPA Prerequisite: Algebra I Credit: 2 units Students must concurrently enroll in 0233 and 19233	**AP COMPUTER SCIENCE A** is an advanced level approach to problem solving and analysis using Java. This course is equivalent to a first semester, college level course in computer science. Additionally, this course will prepare students for the AP Computer Science A exam. **Students are required to take the AP exam.**
COMPUTER SCIENCE III: LEVEL III JAVA PROGRAMMING Grade Placement: 11-12 Course #: 16235 Level: III Prerequisite: AP Computer Science A Credit: 1 unit	**COMPUTER SCIENCE III: LEVEL III JAVA PROGRAMMING** Students will study advanced data structure programming and problem solving in Java. This course is equivalent to a second semester computer science course at the college level. Additionally, students will practice problem-solving algorithms for programming contests as well as other advanced topics not covered by the AP Computer Science A course.
COMPUTER SCIENCE IV: LEVEL III INDEPENDENT STUDIES Grade Placement: 12 Course #: 16237 Level: III Prerequisite: Computer Science III Credit: 1 unit	**COMPUTER SCIENCE IV ADVANCED** Students will pursue independent study topics for the purpose of completing a large project each semester.

CAREER AND TECHNICAL EDUCATION (CTE)

CERTIFICATIONS AND/OR LICENSES OFFERED IN MISD

Listed below are possible certifications offered in MISD via Career & Technical Education programs. Students wishing to obtain certifications will be required to pay the fees.

MISD also has a partnership with Collin College to offer additional technical credit cohort options, which may include additional certification opportunities. Please refer to the information beginning on p. 103.

Not all courses are offered at all campuses. If you choose courses that are not offered at your campus, you may need to apply for a transfer to the appropriate school or you may be required to provide your own transportation. **All CTE courses must enroll a minimum of 15 students for the class to be offered.**

PUBLIC NOTIFICATION OF NONDISCRIMINATION IN CTE PROGRAMS

Cluster	Certification (offered now unless noted)
Agriculture, Food & Natural Resources	Beef Quality Assurance
	CPR
	Occupational Health and Safety Administration (OSHA 30)
	Patient Care Technician (PCT)
	Stop the Bleed
	TSFA Knowledge Base Level 1
Arts, A/V Technology & Communications	Adobe Premiere
	Commercial Photography
	Illustrator
	InDesign
	Photoshop
	Premiere Certified Associate
Architecture and Construction	Occupational Health and Safety Administration (OSHA 30)
Business Marketing	Business Concepts
	Business Management
	Entrepreneurship
	Personal Financial Responsibility
Communications	21st Century Success Skills
	Business Communication 1
	Preparing for College and Careers
Health Sciences	BLS for Healthcare Providers
	Certified Nursing Aide (CNA)
	Emergency Medical Technician (EMT) Certification
	Fascial Movement Taping – Basic
	Functional Movement Screen (FMS)
	Heatsaver First Aid
	NASM Certified Personal Trainer

Health Science Continued	Occupational Health and Safety Administration (OSHA Certificate)
	Patient Care Technician (PCT)
Human Services	24 Hr. Preservice Training for Daycare Worker
	Cosmetology License
	State of Texas Child Abuse Reporting Certification
Law Enforcement	CPR
	IAED Basic Telecommunicator
	Stop the Bleed
STEM	Autodesk Fusion 360 Certified User
	Autodesk Revit Certified User
	CAD Mechanical Design 1
	Electronics 2
	Engineering Principals
	National Instruments Certified LabVIEW Associate Developer
	Robotics 1
	Robotics 2
Transportation, Logistics (Aviation)	Airframe Poer & Plant FFA
	Airline Transport Pilot
	Commercial Pilot
	LSA Repair
	Rotax Repair
	Sport Pilot Certificate
	Student Pilot

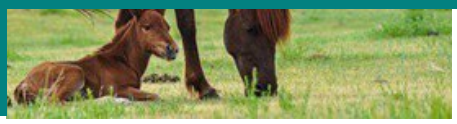
ADDITIONAL INFORMATION ABOUT TECHNICAL DUAL CREDIT

MISD also has a partnership with Collin College to offer additional technical credit cohort options, which may include additional certification opportunities. Please refer to the information beginning on p. 103.

Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) Career Cluster focuses on the essential elements of life food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

Animal Science
Statewide Program of Study



The Animal Science program of study focuses on the science, research, and business of animals and other living organisms. It teaches CTE learners how to apply biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students may also research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.

Secondary Courses for High School Credit

Level 1
- Principles of Agriculture, Food, and Natural Resources

Level 2
- Livestock Production

Level 3
- Veterinary Medical Applications

Level 4
- Advanced Animal Science

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Participate in Texas FFA	• Compete in an Agri- Science Fair 4H • Volunteer at a local farm or with a veterinarian • Participate in an FFA supervised agriculture experience

Postsecondary Opportunities

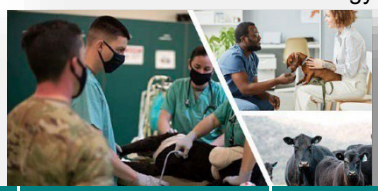
Associates Degrees
- Food Science and Technology
- Veterinary Studies
- Biotechnology Laboratory Technician
- Biology Technician

Bachelor's Degrees
- Animal Sciences
- Agriculture
- Biology
- Zoology/ Animal Biology

Master's, Doctoral, and Professional Degrees
- Genetics
- Veterinary Medicine
- Biological and Physical Sciences
- Biological and Biomedical Sciences

Industry-Based Certifications

- Agricultural Biotechnology
- Certified Veterinary Assistant, Level 1
- Elanco Fundamentals of Animal Science Certification
- Elanco Veterinary Medical Applications Certification
- Equine Management & Evaluation Certification
- Feed yard Technician in Cattle Care and Handling
- Licensed Veterinary Technician
- Production Agriculture - Job Ready
- Small Animal Science and Technology



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Animal Breeders	$39,139	28	9%
Animal Scientists	$57,533	22	12%
Medical Scientists	$63,898	435	27%
Veterinarians	$93,496	294	24%
Zoologists and Wildlife Biologists	$67,309	45	32%

Successful completion of the Animal Science program of study will fulfill requirements of a Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022

TEA Texas Education Agency

Manufacturing Career Cluster

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.

Welding
Statewide Program of Study

The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

Secondary Courses for High School Credit

Level 1
- Agriculture Mechanics & Metal Technologies (Welding I)

Level 2
- Agriculture Facilities Design & Fabrication (Welding II)

Level 3
- Agricultural Power Systems (Welding III)

Level 4
- Practicum in Agriculture, Food & Natural Resources (Welding IV)

Postsecondary Opportunities

Associates Degrees
- Certified Welder or Welder Inspector
- Machine Shop Technology/Assistant
- Operations Management and Supervision
- Occupational Safety and Health Technology/Technician

Bachelor's Degrees
- Welding Engineering Technology/Technician
- Biomedical Technology/Technician
- Operations Management and Supervision
- Environmental Health

Master's, Doctoral, and Professional Degrees
- Welding Engineering Technology/Technician
- Occupational Health and Industrial Hygiene
- Operations Management and Supervision
- Environmental Health

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Participate and compete in SkillsUSA • Jobshadow a machinist	• Work in a local business or industry apprenticeship • Join the American Welding Society

Industry-Based Certifications

- API 1104 Welding Pipelines and Related Facilities
- AWS Certified Welder
- AWS D1.1 Structural Steel
- AWS D9.1 Sheet Metal Welding
- AWS SENSE Level 1: Entry Welder
- Industrial Technology Maintenance (ITM) - Maintenance Welding
- NCCER Construction Technology Certification Level I
- NCCER Core
- NCCER Welding Level I
- Welding - Job Ready
- OSHA 30 Hour General*

*IBC sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Welders, Cutters, Solderers, and Brazers	$41,350	6,171	9%
Welding Soldering and Brazing Machine Setters, Operators and Tenders	$40,040	280	9%

Successful completion of the Welding program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022

TEA Texas Education Agency

Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) Career Cluster focuses on the essential elements of life - food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

Floral/Plant Science
Statewide Program of Study

The Plant Science program of study focuses on the science, research, and business of plants and other living organisms. It teaches students how to apply biology and life science to real-world life processes of plants and vegetation, either in laboratories or in the field.

Secondary Courses for High School Credit

Level 1
- Floral Design

Level 2
- Advanced Floral Design

Postsecondary Opportunities

Associates Degrees
- Applied Horticulture/ Horticulture Operations, General
- Ornamental Horticulture
- Agricultural Business and Management, General
- Turf and Turfgrass Management

Bachelor's Degrees
- Applied Horticulture/ Horticulture Operations, General
- Agronomy and Crop Science
- Agricultural Business and Management, General
- Turf and Turfgrass Management

Master's, Doctoral, and Professional Degrees
- Applied Horticulture/ Horticulture Operations, General
- Agronomy and Crop Science
- Agricultural Business and Management, General
- Farm/Farm and Ranch Management

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Participate in Texas FFA	• Work at a florist or landscaper business • Participate in an FFA supervised agriculture experience

Industry-Based Certifications

- Texas State Florist's Association Knowledge Based Floral Certification
- Texas State Florist's Association Level I Floral Certification
- Texas State Florist's Association Level II Floral Certification

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Soil and Plant Scientists	$54,662	116	21%
Tree Trimmers and Pruners	$32,240	589	14%
Pesticide Handlers, Sprayers, and Applicators	$36.733	196	22%
Landscaping Supervisors	$44,408	807	19%
Biological Technicians	$42,931	452	17%

Successful completion of the Plant Science program of study will fulfill requirements of a Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022

Texas Education Agency

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES (Intro to Agriculture) Grade Placement: 9-12 Course #: 0905 Level: I Prerequisite: none Credit: 1 unit	**PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES** enhance the agricultural comprehension of young adults. Entry level course designed for students interested in animal science, crop science, leadership and public speaking, and metal fabrication technologies. Students enrolled in this course may participate in livestock shows, contests, and other leadership development activities. ***A student in the AG program may be eligible to receive embedded credit for the course Communication Applications. See the course description on p. 34 and/or the counselor for more information. This course is offered at MBHS and MHS only. Students must provide their own transportation.***
LIVESTOCK PRODUCTION Grade Placement: 10-12 Course #: 17906 Level: I Prerequisite: Principles of Agriculture, Food and Natural Resources Credit: 1 unit	**LIVESTOCK PRODUCTION** introduces the common veterinary skills and procedures used on livestock, anatomy of livestock, genetics and reproduction, and diseases that can affect all livestock. This course is required for those who have an interest in the Animal Systems pathway. ***This course is offered at MBHS and MHS only. Students must provide their own transportation.***
VETERINARY MEDICAL APPLICATIONS (Intro to Vet Med) Grade Placement: 11-12 Course #: 0908 Level: I Prerequisite: Principles of Agriculture, Food and Natural Resources, Biology or Chemistry and Livestock Production Credit: 1 unit	**VETERINARY MEDICAL APPLICATIONS** develops and expands the knowledge and techniques pertaining to Veterinary Technical Assistant area. This course is designed as a laboratory-oriented course that allows students hands-on experience within the area of diagnostic testing, client records, employer/employee relationship and techniques used in surgical practices. ***This course is offered at MBHS and MHS only. Students must provide their own transportation.***
AGRICULTURE MECHANICS & METAL TECHNOLOGIES (Welding I) Grade Placement: 9-12 Course #: 0913 Level: I Prerequisite: application Credit: 1 unit	**AGRICULTURE MECHANICS & METAL TECHNOLOGIES** develops proficiency in many welding skills. Students will be expected to use the cutting torch and MIG welders and weld in several positions, which include flat, horizontal and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry and metal working techniques. ***This course is offered at MHS only. Students must provide their own transportation.***
AGRICULTURE FACILITIES DESIGN & FABRICATION (Welding II) Grade Level: 10-12 Course #: 0914 Level: I Prerequisite: Welding I and application Credits: 1 unit	**AGRICULTURE FACILITIES DESIGN & FABRICATION** introduces and develops principles of electricity, Geographic Information Systems (GIS), working with concrete, water-management systems, masonry, drywall and roofing materials. ***This course is offered at MHS only. Students must provide their own transportation.***
AGRICULTURAL POWER SYSTEMS (Welding III) Grade Level: 11-12 Course # 0713 Level: I Prerequisite: Agricultural Mechanics & Metal Technologies and Agriculture Facilities Design & Fabrication Credits: 2 units	**AGRICULTURAL POWER SYSTEMS** prepares students for careers in agricultural power, structural, and technical systems. Students should attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students should have opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources and agricultural machinery. ***This course is offered at MHS only. Students must provide their own transportation.***

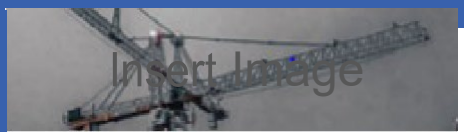
PRACTICUM IN AG, FOOD & NATURAL RESOURCES (Welding IV) Grade placement: 11-12 Course # 0778 Level: I Prerequisite: Welding III Credit: 2 units	**PRACTICUM IN AG, FOOD & NATURAL RESOURCES** course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources cluster. Each student is required to have 10 hours per week in class requirements that come from laboratory experiences. ***This course is offered at MHS only***. ***Students must provide their own transportation.***
FLORAL DESIGN (Floral Design I) Grade Placement: 9-12 Course #: 0910 Level: I Prerequisite: none Credit: 1 unit Fee required	**FLORAL DESIGN** Exposes students to the basic techniques of floral design. This class is project based with many large and small projects used to evaluate the progress of the student. Hands-on activities involve the students in techniques required in the floral industry. Students have the option of taking the Knowledge Based Exam TSFA Certification; testing fee is the student's responsibility. ***This course is offered at MBHS and MHS only***. ***Students must provide their own transportation. This course may satisfy the Fine Arts requirement for graduation.***
FLORAL DESIGN II (Advanced Floral Design) Grade Placement: 11-12 Course #: 17831 Level: I Prerequisite: Floral I, Knowledge Based Exam TSFA Certification, and application Credit: 1 unit Fee required	**FLORAL DESIGN II** In this course, students build on the knowledge from Floral Design I and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. Students have the option to take the Level 1 and Level 2 TSFA Certifications. The testing fees for these certifications are the student's responsibility. Students can also gain their OSHA 30 Hour certification as a part of this course at no cost to the student. ***This course is offered at MBHS only***. ***Students must provide their own transportation.***

Architecture and Construction Career Cluster

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

Construction Management and Inspection

Statewide Program of Study



The Construction Management and Inspection program of study explores the occupations and educational opportunities associated with cost estimates for construction projects or services to aid management in bidding on or determining the price of products or services. This program of study may also include exploration into inspecting structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations.

Secondary Courses for High School Credit

Level 1
- Principles of Construction

Level 2
- Construction Management I

Level 3
- Construction Management II

Level 4
- Practicum in Construction Management

Postsecondary Opportunities

Associates Degrees
- ConstructionEngineeringTechnology/Technician
- Business Administration and Management, General
- Mechanical Engineering
- Business/ Commerce, General

Bachelor's Degrees
- ConstructionEngineeringTechnology/Technician
- Business Administration and Management, General
- Mechanical Engineering
- Business/ Commerce, General

Master's, Doctoral, and Professional Degrees
- Materials Engineering
- Business Administration and Management, General
- Mechanical Engineering
- Manufacturing Engineering

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Shadow a building inspector or cost estimator • Participate in SkillsUSA	• Intern with a construction company • Shadow a project manager or inspector

Industry-Based Certifications

- Certified Associate in Project Management (CAPM)
- HBI Pre-Apprenticeship Certificate Training (PACT), Building Construction Technology
- HBI Pre-Apprenticeship Certificate Training (PACT), Core
- LEED Green Associate
- NCCER Construction Site Safety Technician
- NCCER Construction Technology Certification Level I
- NCCER Core
- NCCER Weatherization Technician Level I
- Residential Plans Examiner - R3
- OSHA 30 Hour Construction*
- OSHA 30 Hour General*

*IBC sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Construction and Building Inspectors	$53,914	983	17%
Cost Estimators	$63,939	2,239	21%
Construction Managers	$87,402	2,401	14%

Successful completion of the Construction Management and Inspection program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022

TEA Texas Education Agency

PRINCIPLES OF ARCHITECTURE Grade Placement: 9 Course #: 17703 Level: I Prerequisite: application Credit: 1 unit	**PRINCIPLES OF ARCHITECTURE** provides an overview to the various fields of architecture, interior design, construction science, and construction technology. Achieving proficiency in decision-making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging; and reading technical drawings.
INTERIOR DESIGN Grade Placement: 10-12 Course #: 17917 Level: I Prerequisite: English I & Algebra I Credit: 1 unit	**INTERIOR DESIGN** is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Individuals use knowledge and skills related to exterior environments, construction and furnishings to make wise consumer decisions, increase productivity and prepare for careers in the interior design field.
CONSTRUCTION TECHNOLOGY I (Construction I) Grade Placement: 10 Course #: 200921 Level: I Prerequisite: application Credit: 1 unit	**CONSTRUCTION TECHNOLOGY** will provide students the knowledge and skills specific to those needed to enter the work force as apprentice rough and/or finish carpenters, rebar installers, drywall, painting, roofer, mason, and/or building maintenance technicians or prepare for a postsecondary degree in construction management, architecture, and/or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, formwork, framing, rebar installation, drywall, painting, roofing, and masonry. At the conclusion of this course the student will have the opportunity to take various Industry and/or OSHA certification tests. The testing fee is the student's responsibility. ***This course is offered at MHS only. Students must provide their own transportation.***
CONSTRUCTION TECHNOLOGY II (Construction II) Grade Placement: 11 Course #: 200922 Level: I Prerequisite: Construction Technology Credit: 2 units	**ADVANCED CONSTRUCTION TECHNOLOGY** will provide students advanced knowledge and skills specific to those needed to enter the work force as an apprentice carpenter, drywall, painter, roofer, mason, rebar installer, structural steel erector, industrial and/or construction welder, building maintenance technicians, or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to HVAC, electrical, plumbing, and Structural steel skillsets. At the conclusion of this course the student will have the opportunity to take various Industry and/or OSHA certification tests. ***This course is offered at MHS only. Students must provide their own transportation.***
PRACTICUM IN CONSTRUCTION TECHNOLOGY (Construction III) **G**rade Placement: 11-12 Course #: 200923 Level: I Prerequisite: Advanced Construction Technology Credit: 2 units	**Practicum in Construction Technology** is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. This course will provide more of a hands on application of construction processes. ***This course is offered at MHS only. Students must provide their own transportation.***

Arts, Audio/Video Technology, and Communications Career Cluster

The Arts, A/V Technology and Communications (AAVTC) 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. Careers in the AAVTC 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.

Graphic Design & Multimedia Arts
Statewide Program of Study

The Graphic Design and Multimedia Arts program of study explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.

Secondary Courses for High School Credit

Level 1
- Principles of Arts, A/V Technology, and Communications

Level 2
- Graphic Design and Illustration

Level 3
- Animation

Postsecondary Opportunities

Associates Degrees
- Animation, Interactive Technology, Video Graphics and Special Effects
- Graphic Design
- Game and Interactive Media Design

Bachelor's Degrees
- Animation, Interactive Technology, Video Graphics and Special Effects
- Graphic Design
- Game and Interactive Media Design

Master's, Doctoral, and Professional Degrees
- Animation, Interactive Technology, Video Graphics and Special Effects
- Graphic Design
- Intermedia/Multimedia

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Join a website development or coding club • Participate in SkillsUSA or TSA	• Intern with a multimedia or animation studio • Obtain a certificate or certification in graphic design

Industry-Based Certifications

- Adobe Certified Professional in Digital Video Using Adobe Premiere Pro
- Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Adobe Certified Professional In Visual Effects and Motion Graphics Using Adobe After Effects
- Audio-Visual Communications - Job Ready
- Autodesk Associate (Certified User) 3ds MAX
- Certified Professional Photographer
- Graphic Production Technology - Job Ready

- Adobe Certified Professional Animate*

*IBC Sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Graphic Designers	$44,824	1,433	15%
Multimedia Artists and Animators	$67,392	186	21%

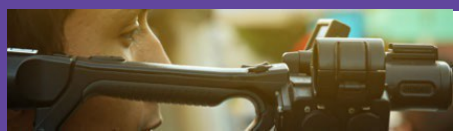
Successful completion of the Graphic Design & Multimedia Arts program of study will fulfill requirements of the Business and Industry endorsement. Revised – October 2022

TEA Texas Education Agency

Arts, Audio/Video Technology, and Communications Career Cluster

The Arts, A/V Technology and Communications (AAVTC) 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. Careers in the AAVTC 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.

Digital Communications
Statewide Program of Study



The Digital Communications program of study explores the occupations and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.

Secondary Courses for High School Credit

Level 1
- Principles of Arts, Audio/Video Technology, and Communications
- Professional Communications

Level 2
- Audio/Video Production I

Level 3
- Audio/Video Production II

Level 4
- Practicum of Audio/Video Production

Postsecondary Opportunities

Associates Degrees
- Recording Arts Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television Broadcasting Technology/Technician
- Music Technology

Bachelor's Degrees
- Recording Arts Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television
- Agricultural Communication/Journalism

Master's, Doctoral, and Professional Degrees
- Communications Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television
- Agricultural Communication/Journalism

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Shadow a production team • Participate in SkillsUSA or TSA	• Intern at a local television station or video production company • Work with a local company on a project

Industry-Based Certifications

- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Adobe Certified Professional in Digital Video Using Adobe Premiere Pro
- Audio-Visual Communications - Job Ready

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Sound Engineering Technicians	$39,562	79	27%
Camera Operators, Television, Video, and Motion Picture	$50,024	129	9%
Audio and Video Equipment Technicians	$40,581	757	29%
Film and Video Editors	$47,382	118	23%

Successful completion of the Digital Communications program of study will fulfill requirements of the Business and Industry endorsement. Revised – October 2022

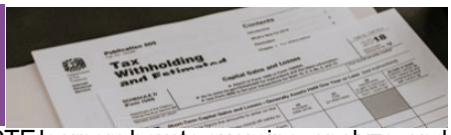
TEA Texas Education Agency

DIGITAL INTERACTIVE MEDIA Grade Placement: 9-12 Course #: 0959 Level: I Prerequisite: none Credit: 1 unit	**DIGITAL INTERACTIVE MEDIA** gives students the opportunity to explore Audio/Video Production, Graphic Design, and Animation Principles before choosing a career track in either Graphic Design and Illustration or Audio/Video Production. Students will focus on product creation and portfolio maintenance with work samples in Animation, Graphic Design, and Audio/Video Production. Students will have the opportunity to take an Adobe Certified Associate certification exam for Adobe Photoshop.
GRAPHIC DESIGN AND ILLUSTRATION Grade Placement: 9-12 Course #: 0926 Level: I Prerequisite: none Credit: 1 unit	**GRAPHIC DESIGN AND ILLUSTRATION** spans all aspects of the advertising and visual communication industries. In addition to developing knowledge and skills needed for success in the arts, audio/video technology, and communications career cluster, students are expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.
ANIMATION Grade Placement: 9-12 Course #: 0925 Level: I Prerequisite: none Credit: 1 unit	**ANIMATION** spans all aspects of motion graphics. 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 an understanding of the history and techniques of the animation industry.
AUDIO VIDEO PRODUCTION I Grade Placement: 10-12 Course #:0731 Level: I Prerequisite: Digital and Interactive Media, Journalism I or Principles or Arts, A/V Technology & Communication; application Credit: 1 unit	**AUDIO VIDEO PRODUCTION I** produces videos for television and online audiences with students filling roles as reporters, managers or technicians. Students must work after school and some weekends to ensure that assignments are completed on time. Students completing the audio/video production track will be eligible for Adobe Certification exams.
AUDIO VIDEO PRODUCTION II Grade Placement: 11-12 Course #: 0711 (1.0 credit) Level: I Course #: 17711 (2.0 credit) Level: I Prerequisite: Digital and Interactive Media, Journalism I or Principles or Arts, A/V Technology & Communication, application Credit: 1-2 units	**AUDIO VIDEO PRODUCTION II** students will gain advanced experience in audio and video production as a career and expand skills in production to studio work and online streaming. Students must work after school and some weekends to ensure that assignments are completed on time. Students completing the audio/video production track will be eligible for Adobe Certification exams. ***A student in the broadcasting program may be eligible to receive embedded credit for the course Communication Applications. See the course description on p. 34 and/or the counselor for more information.***
PRACTICUM IN AUDIO VIDEO PRODUCTION (Audio Video Production III) Grade Placement: 11-12 Course #: 0712 Level: I Prerequisite: Digital and Interactive Media, Journalism I or Principles or Arts, A/V Technology & Communication, application Credit: 2 units	**PRACTICUM in AUDIO/VIDEO PRODUCTION** students will work in a leadership role in the production of videos for television and online audiences. Those roles include, online managing editor, executive producer, producer, managing editor, social media director and other roles. Students must work after school and some weekends to ensure that assignments are completed on time. Students completing the audio/video production track will be eligible for Adobe Certification exams.

Business, Marketing, and Finance Career Cluster

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.

Accounting and Financial Services
Statewide Program of Study



The Accounting and Financial Services program of study teaches CTE learners how to examine, analyze, and interpret financial records. Through this program of study, students will learn the skills necessary to perform financial services, prepare financial statements, interpret accounting records, give advice, or audit and evaluate statements prepared by others. This program of study will also introduce students to mathematical modeling tools.

Secondary Courses for High School Credit

Level 1
- Principles of Business, Marketing, and Finance

Level 2
- Business Information Management
- Fashion Marketing
- Sports & Entertainment Marketing
- Social Media Marketing

Level 3
- Entrepreneurship
- Money Matters

Level 4
- Calculus for Business and Economics (Dual Credit)
- Elementary Statistical Methods (Dual Credit)
- AP Statistics

Postsecondary Opportunities

Associates Degrees
- Real Estate
- Financial, General
- Financial Planning and Services
- Certified Income Specialist

Bachelor's Degrees
- Accounting
- Financial, General
- Financial Planning and Services
- Certified Income Specialist

Master's, Doctoral, and Professional Degrees
- Financial Accounting
- Business Administration
- Financial Planning

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
Participate in Business Professionals of America, Future Business Leaders of America, or DECA	• Intern with a local accounting firm • Earn Microsoft Office certifications

Industry-Based Certifications

- Accounting - Basic
- Accounting Foundations
- Certified Insurance Service Representative
- Intuit QuickBooks Certified User
- MB-920: Microsoft Dynamics 365 Fundamentals Finance and Operations Apps
- Microsoft Office Specialist: Microsoft Access Expert (Access and Access 2019) Microsoft Office Specialist: Microsoft Excel Expert (Excel and Excel 2019)
- Volunteer Income Tax Assistance/Tax Counseling Certification: Advanced
- Volunteer Income Tax Assistance/Tax Counseling Certification: Basic
- Volunteer Income Tax Assistance/Tax Counseling Certification: Volunteer for Elderly
- Microsoft Office Specialist-Excel*

*IBC sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Accountants and Auditors	$71,469	14,436	22%
Loan Officers	$68,598	2,419	19%
Personal Financial Advisors	$86,965	1,861	52%
Administrative service Managers	$96,138	2,277	21%

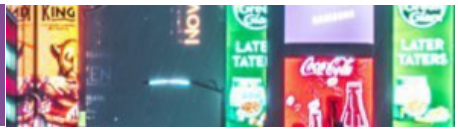
Successful completion of the Accounting and Financial Services program of study will fulfill requirements of the Business and Industry endorsement. Revised – October 2022

Texas Education Agency

Business, Marketing, and Finance Career Cluster

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.

Marketing & Sales
Statewide Program of Study



The Marketing and Sales program of study teaches CTE learners how to collect information to determine potential sales of a product or service and/or create a marketing campaign to market or distribute goods and services. Through this program of study, students will learn the skills necessary to understand and apply data on customer demographics, preferences, needs, and buying habits.

Secondary Courses for High School Credit

Level 1
- Principles of Business, Marketing, and Finance

Level 2
- Business Information Systems
- Fashion Marketing
- Social Media Marketing
- Sports and Entertainment Marketing

Level 3
- Entrepreneurship
- Money Matters

Level 4
- AP Statistics

Postsecondary Opportunities

Associates Degrees
- Marketing/ Marketing Management, General
- Consumer Merchandising/ Retailing Management
- International Marketing
- Business

Bachelor's Degrees
- Marketing/ Marketing Management, General
- Business Administration
- Applied Economics
- Marketing Research

Master's, Doctoral, and Professional Degrees
- Marketing
- Business Administration
- Applied Economics
- Advertising

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
Participate in Business Professionals of America, Future Business Leaders of America, or DECA	• Intern with a local marketing firm • Shadow a real estate agent • Operate a school store on campus

Industry-Based Certifications

- Certified Insurance Service Representative
- Entrepreneurship and Small Business
- Facebook Digital Marketing Associate Certification
- Real Estate Sales Agent License
- Retail Merchandising - Job Ready
- Student Social Media Marketing Certification

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Marketing Research Analysts and Marketing Specialists	$70,346	4,664	40%
Insurance Sales Agent	$43,181	5,886	30%
First-Line Supervisors of Retail Sales Workers	$72,550	2,826	15%
Wholesale and Retail Buyers	$51,106	1,229	19%

Successful completion of the Marketing and Sales program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022

TEA Texas Education Agency

PRINCIPLES OF BUSINESS, MARKETING AND FINANCE Grade Placement: 9-12 Course #: 17927 Level: I Prerequisite: none Credit: 1 unit	**PRINCIPLES OF BUSINESS, MARKETING AND FINANCE** introduces the knowledge and skills of economics and private enterprise systems, impact of global business, marketing of goods and services, advertising and product pricing. Students analyze the sales process and financial management principles.
MONEY MATTERS Grade Placement: 9-12 Course #: 17938 Level: I Prerequisite: none Credit: 1 unit	**MONEY MATTERS** students will investigate money management from a personal financial perspective. 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 through various methods such as investing, tax planning, asset allocating, risk management, retirement planning and estate planning.
BUSINESS INFORMATION MANAGEMENT I (Computer Applications) Grade Placement: 9-12 Course #: 0929 Level: I Prerequisite: None Credit: 1 unit	**BUSINESS INFORMATION MANAGEMENT I** students implements personal and interpersonal skills to strengthen individual performance in the workplace and in society and make successful transitions to the workforce and post-secondary education. Students will apply technical skills through word processing, spreadsheet, database, and electronic presentation software.
ENTREPRENEURSHIP Grade Placement: 10-12 Course #: 17743 Level: I Prerequisite: Recommended Principles of Business, Marketing & Finance Credit: 1 unit	**ENTREPRENEURSHIP** provides students 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 understand the capital required, the return on investment desired, and the potential for profit.
SPORTS AND ENTERTAINMENT MARKETING Grade Placement: 10-12 Course #: 0973 Level: I Prerequisite: Recommended Principles of Business, Marketing & Finance Grade Placement: 9 Corequisite: Fashion Marketing Credit: .5 unit	**SPORTS AND ENTERTAINMENT MARKETING** explores a growing industry that employs athletes, musicians, advertising agents, sports agents and numerous other related professions. The purpose of this course is to provide students with the fundamental principles and concepts identified with these industries and to develop critical-thinking and decision making skills through the application of marketing principles. .
FASHION MARKETING Grade Placement: 10-12 Course #: 0971 Level: I Prerequisite: Recommended Principles of Business, Marketing & Finance Grade Placement: 9 Corequisite: Sports & Entertainment Marketing Credit: .5 unit	**FASHION MARKETING** provides students with knowledge of various business functions in the fashion industry. Students in fashion marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising and career opportunities.
SOCIAL MEDIA MARKETING Grade Placement: 9-12 Course #: 22972 Level: I Prerequisite: Recommended Principles of Business, Marketing & Finance Credit: .5 unit	**SOCIAL MEDIA MARKETING** is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will learn the strategies required to manage a successful social media presence for an organization, understand techniques for gaining customer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.
INTRODUCTION TO ESPORTS Grade Placement: 10-12 Course #23973: Level: I Prerequisite: Recommended Principles of Business, Marketing & Finance Credit: 1.0 unit	**INTRODUCTION TO ESPORTS** will allow students to explore the history and culture of Esports, the development of Esports as a global business, the economic impact of Esports, and the entrepreneurial opportunities that are available through Esports. Students will develop foundational knowledge and skills that will enable them to run, market, develop, and expand an Esports business. ***This course is offered at Boyd only. This course has limited enrollment.***

Education and Training Career Cluster

The Education and Training Career Cluster focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster.

Teaching and Training
Statewide Program of Study

The Teaching and Training program of study prepares CTE learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE learners to a wide variety of student groups and their corresponding needs. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups and individuals.

Secondary Courses for High School Credit

Level 1
- Principles of Education and Training
- Principles of Human Service

Level 2
- Human Growth and Development
- Child Development
- Psychology & Sociology

Level 3
- Instructional Practices

Level 4
- Practicum in Education and Training

Postsecondary Opportunities

Associates Degrees
- Teacher Education
- Education, General (or specific subject area)
- Special Education
- Health and Physical Education/Fitness

Bachelor's Degrees
- Bilingual and Multilingual Education
- Education, General (or specific subject area)
- Special Education
- Health and Physical Education/Fitness

Master's, Doctoral, and Professional Degrees
- Instruction and Learning
- Educational Leadership and Administration, General
- Special Education
- Social and Philosophical Foundations of Education

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Participate in the Texas Association of Future Educators or Family, Career, and Leaders of America	• Teach a community education class • Intern as a teaching assistant or tutor • Serve as a camp counselor

Industry-Based Certifications

- Educational Aide I

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Adult Basic and Secondary Education and Literacy Teachers and Instructors	$48,069	862	17%
Middle School Teachers, Except Special and Career/Technical Education	$54,510	6,407	15%
Career and Technical Education Teachers, Secondary School	$56,360	719	9%
Special Education Teachers, Secondary School	$56,720	980	18%

Successful completion of the Teaching and Training program of study will fulfill requirements of the Public Service endorsement. Revised – August 2022

TEA Texas Education Agency

PRINCIPLES OF EDUCATION AND TRAINING Grade Placement: 9-12 Course #: 17934 Level: I Prerequisite: none Credit: 1 unit	**PRINCIPLES OF EDUCATION AND TRAINING** is designed to introduce learners to the various careers available within education and training career cluster. Students will gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.
HUMAN GROWTH AND DEVELOPMENT Grade placement: 10-12 Course #: 0768 Level: I Prerequisite: none Credit: 1unit	**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.
CHILD DEVELOPMENT Grade Placement: 10-12 Course #: 17950 Level: I Prerequisite: none Credit: 1 unit	**CHILD DEVELOPMENT** addresses knowledge and skills related to child growth and development from prenatal through school-age children. Students will have child development knowledge that can be used to promote the well-being and healthy development of children and to investigate careers related to the care and education of children.
INSTRUCTIONAL PRACTICES (READY, SET, TEACH I) Grade Placement: 11-12 Course #: 0935 Level: I Prerequisite: application Credit: 2 units Fee required	**INSTRUCTIONAL PRACTICES** is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching practices. Students will work under the joint direction and supervision of a teacher who has expertise in the areas of child development and educational methodology and an exemplary educator who is working in an instructional role in an elementary/ middle/ high school setting. Students will 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. ***It is the student's responsibility to provide his or her own transportation to and from the job-training site.***
PRACTICUM IN EDUCATION AND TRAINING (READY, SET, TEACH II) Grade Placement: 12 Course #: 0936 Level: I Prerequisite: Instructional Practices, application Credit: 2 units Fee required	**PRACTICUM IN EDUCATION AND** TRAINING is a capstone experience for students participating in a coherent sequence of courses in education and training. Practicum experiences are designed to give students supervised, off campus, practical application appropriate to the level and nature of skills acquired in their chosen sequence. ***It is the student's responsibility to provide his or her own transportation to and from the job-training site.***

Human Services Career Cluster

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.

Cosmetology and Personal Care Services
Regional Program of Study

The Cosmetology and Personal Care Services regional program of study introduces CTE learners to knowledge and skills related to providing beauty and personal care services. CTE concentrators may learn about or practice managing personal care facilities and coordinating or supervising personal service workers.

Secondary Courses for High School Credit

Level 1
- Principles of Health Science

Level 2
- Entrepreneurship
- Principles of Business

Level 3
- Cosmetology I/Lab

Level 4
- Cosmetology II/Lab

Postsecondary Opportunities

Certificate/License
- Certified Aesthetic Laser Operator
- Cosmetologist
- Certified Spa Supervisor
- Nail Technician/Specialist and Manicurist

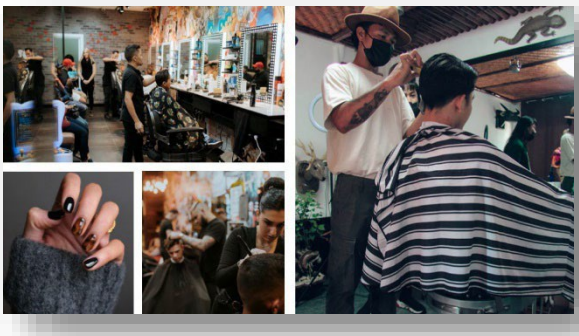
Associates Degrees
- Cosmetology/Cosmetologist, General
- Aesthetician/Esthetician and Skin Care Specialist
- Salon/Beauty Salon Management/Manager
- Cosmetology, Barber/Styling, and Nail Instructor

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Participate in TIVA or SkillsUSA	• Job shadow a cosmetologist • Work part-time at a salon, spa, or barbershop

Industry-Based Certifications

- Cosmetology Operator License
- Cosmetology Esthetician Specialty License
- Cosmetology Manicurist Specialty License
- Barber Operating License



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
First-Line Supervisors of Personal Service Workers	$36,941	1,634	24%
Barbers	$28,267	348	14%
Hairdressers, Hairstylists, and Cosmetologists	$21,507	3,489	22%
Manicurists and Pedicurists	$21,715	418	45%
Shampooers	$18,720	139	24%
Skincare Specialists	$26,437	637	22%

Successful completion of the Cosmetology and Personal Care Services regional program of study will fulfill requirements the Public Service endorsement. Revised – August 2022

TEA Texas Education Agency

COSMETOLOGY I Grade Placement: 11 Course #: 17953 Level: I Prerequisite: application $600Training kit required Credit: 3 units	**COSMETOLOGY I** provides students with the basic specific classroom training needed to achieve their Texas Cosmetology License. Students will also be able to work on outside clientele for hands-on training. Students will be expected to purchase their beginner's training kit by July 15, 2020. Students will be required to have completed 500 clocked hours before advancing to Cosmetology II. ***This course is offered at MHS only. Students must provide their own transportation. This course has limited enrollment.***
COSMETOLOGY II Grade Placement: 12 Course #: 17954 Level: I Prerequisite: application, Cosmetology I, Estimated fees: $300 for facial, makeup and state board kits and online licensing preparation program. State testing fees administered by PSI exams (written test $52, practice test $74 and License Fee $50) Credit: 3 units	**COSMETOLOGY II** students, upon completion of their senior year and the required 1000 hours total, will have received classroom training needed to prepare them for their Cosmetologist Exam from the Texas Department of Licensing and Regulations. Students will also be able to work on outside clientele for hands-on training. ***This course is offered at MHS only. Students must provide their own transportation. This course has limited enrollment.***

Health Science Career Cluster

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Nursing Science
Statewide Program of Study

The Nursing Science program of study introduces students to the knowledge and skills related to patient care. CTE learners may learn about or practice caring for patients, routine procedures such as monitoring vital signs, development and implementation of care plans, maintenance of medical records, and disease or pain management. Students may focus on the healthcare system and research system designs and make recommended modifications.

Secondary Courses for High School Credit

Level 1
- Principles of Health Science

Level 2
- Medical Terminology
- Sports Medicine

Level 3
- Certified Nursing Assistant (CNA)
- Athletic & Rehabilitative Medicine
- Anatomy

Level 4
- Certified Nursing Assistant (CNA)
- Patient Care Technician

Postsecondary Opportunities

Associates Degrees
- Registered Nursing/Registered Nurse

Bachelor's Degrees
- Informatics Nurse Specialists

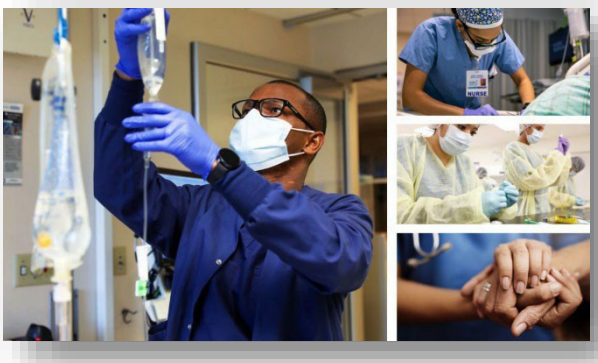
Master's, Doctoral, and Professional Degrees
- Nurse Practitioner
- Nursing Administration
- Nurse Anesthetist

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
Participate in Health Occupation Students of America	• Volunteer at a community wellness center, hospital, assisted living center, or nursing home

Industry-Based Certifications

- Certified Nurse Aide(CNA)
- Certified Patient Care Technician (CPCT)
- Licensed Vocational Nurse
- Medical Assistant
- Phlebotomy Technician
- Registered Nurse



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Licensed Vocational Nurses	$45,178	7,186	21%
Registered Nurses	$68,682	17,493	26%
Nurse Practitioners	$107,827	977	50%
Nurse Anesthetists	$154,856	357	23%

Successful completion of the Nursing Science program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022

TEA Texas Education Agency

Health Science Career Cluster

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Medical Therapy
Statewide Program of Study

The Medical Therapy program of study focuses on the study of biology and medicine in order to introduce students to the knowledge and skills necessary to be successful in the healthcare field in occupations such as, Respiratory, Occupational, Physical, or Speech Therapy. CTE learners may also practice patient care and communication.

Secondary Courses for High School Credit

Level 1
- Principles of Health Science

Level 2
- Medical Terminology
- Sports Medicine I

Level 3
- Sports Medicine II
- Anatomy & Physiology
- Athletic & Rehabilitative Medicine

Level 4
- Sports Medicine II
- Anatomy & Physiology
- Athletic & Rehabilitative Medicine

Postsecondary Opportunities

Associates Degrees
- Occupational Therapy Assistant
- Radiation Therapists
- Respiratory Therapists
- Physical Therapy Assistant

Bachelor's Degrees
- Respiratory Therapists

Master's, Doctoral, and Professional Degrees
- Occupational Therapists
- Speech Language Pathologist
- Physical Therapists

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Participate in Health Occupation Students of America	• Intern at a lab • Shadow a therapist • Participate in clinical rotations

Industry-Based Certifications

- Certified Clinical Medical Assistant
- Certified Occupational Therapy Assistant
- Certified Respiratory Therapist

- Orthopedic Exercise Specialty Certification*
- Orthopedic Technologist*

*IBC sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Speech Language Pathologists	$73,070	1,068	25%
Respiratory Therapists	$57,429	830	20%
Occupational Therapists	$92,227	834	34%
Physical Therapy Assistants	$70,200	1,268	44%

Successful completion of the Medical Therapy program of study will fulfill requirements of a Public Service or STEM endorsement if the math and science requirements are met. Revised – October 2022

TEA Texas Education Agency

PRINCIPLES OF HEALTH SCIENCE Grade Placement: 9-12 Course #: 0943 Level: I Prerequisite: none Credit: 1 unit	**PRINCIPLES OF HEALTH SCIENCE** is an overview of roles of various members of the healthcare system and their educational requirements and issues affecting the delivery of healthcare. Additional concepts explored include the healthcare system, the continuum of care, levels of care, length of stay, healthcare providers, legal and ethical aspects of healthcare, reimbursement, healthcare policy determination and health insurance and managed care. ***This course will satisfy the health credit for the district. Upon successful completion of this course, students may apply to MISD clinical programs. Students participating in the dual credit sequences for Health Science may seek the HSTE 1271 credit from Collin College after earning 6 college units.***
MEDICAL TERMINOLOGY (dual credit) Grade Placement: 10-12 Course #: 1315 & 1316 Level: II Prerequisite: counselor approval, Collin College admission Credit: 1 unit	**HITT1305 & HPRS2301 MEDICAL TERMINOLOGY (dual credit)** Students will study medical terms through word origin and structure. This course provides an introduction to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties. Students will also study the pathology and general health management of diseases and injuries across the lifespan, including etiology, symptoms, and the physical and psychological reactions to diseases and injuries. ***This course is offered online through Collin College. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll.***
HEALTH SCIENCE (CNA) (dual credit) Grade Placement: 11-12 Course #: 19945 Level: II Prerequisite: Principles of Health Science, application, counselor approval, Collin College admission Credit: 2 units	**NURA 1301, NURA 1160 & HPRS 1303 HEALTH SCIENCE (CNA)** This course focuses on public health and the aging process and development of skills in quality assessment and care of the geriatric client. In addition to classroom activities, students will train at a local long-term facility in preparation for the Texas Certified Nurse's Aide exam. The second half of the course provides for the development of multi-occupational knowledge and skills related to a wide variety of health careers. Academic coursework is supplemented with participation in clinical rotations at various clinical sites. ***Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This course is offered at MNHS; it is the student's responsibility to provide their own transportation to and from MNHS and job training sites. This course has limited enrollment.***
PRACTICUM IN HEALTH SCIENCE (EMT) (dual credit) Grade Placement: 12 Course #: 0946 Level: II Prerequisite: Principles of Health Science, application, counselor approval and Collin College admission, must be 18 by 12/15/22. Credit: 2 units	**EMSP 1371, EMSP 1501 & EMSP 1160 (EMT) (dual credit)** Introduction to Emergency Medical Services including: history, organization and function, legal aspects, and ethics. Overview of human anatomy and physiology, patient assessment, airway control, and infection control techniques. Preparation for certification as an Emergency Medical Technician (EMT). Lab required. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. The EMT curriculum is based on the National EMS Educational Standards. ***This course is offered at MNHS only; it is the student's responsibility to provide their own transportation to and from MNHS and job training sites. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This course has limited enrollment.***
PRACTICUM IN HEALTH SCIENCE (REHABILITATIVE MEDICINE) Grade Placement: 11-12 Course #: 22701 Level: II Prerequisite: Principles of Health Science and/or Sports Medicine I, application Credit: 2 units	**PRACTICUM IN HEALTH SCIENCE (REHABILITATIVE MEDICINE)** is a course that teaches students about musculoskeletal anatomy, exercise physiology, bioenergetics, biomechanics, posture, exercise techniques, and rehabilitation and performance enhancement. Students will also study basic orthopedic injury evaluation and considerations for working with individuals with chronic health conditions. Additionally, the students will learn injury prevention techniques through the Functional Movement Screen (FMS) and basic Fascial Movement Taping through RockTape. In addition to classroom learning, students will have the opportunity to train at local fitness facilities, physical therapy clinics, and orthopedic offices, in preparation for the National Academy of Sports Medicine Certified Personal Trainer examination. ***This course is offered at MNHS only; it is the student's responsibility to provide their own transportation to and from MNHS and job training sites. This course has limited enrollment. If the teacher is certified, PE credit can be awarded. Contact your counselor for more details.***

PRACTICUM IN HEALTH SCIENCE (PATIENT CARE TECHNICIAN) (dual credit) Grade Placement: 12 Course #: 18979 Level: Ⅱ Fall: DSAE 1340, ECRD 1111 Spring: NUPC 1320, PLAB 1323 Prerequisite: CNA, application, current immunization records and criminal history check counselor approval and Collin College admission Credit: 2 units	**PRACTICUM IN HEALTH SCIENCE (PATIENT CARE TECHNICIAN) (dual credit)** This course provides advanced knowledge and clinical skills necessary for employment in the healthcare industry. Students will study EKG and phlebotomy principles in preparation for certification as a Patient Care Technician (PCT). Students will explore industry standards and techniques with an emphasis on patient safety and care. Students will also participate in clinical rotations to apply their skills. ***Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This course has limited enrollment.***

Law and Public Service Career Cluster

The Law and Public Service Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and fire and emergency services.

Law Enforcement
Statewide Program of Study

The Law Enforcement program of study teaches CTE learners about the development of, adherence to, and protection of various branches of law. Students will learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred.

Secondary Courses for High School Credit

Level 1
- Principles of Law, Public Safety, Corrections, and Security

Level 2
- Law Enforcement I

Level 3
- Law Enforcement II

Level 4
- Forensic Science
- Practicum in Law, Public Safety Corrections, and Security

Postsecondary Opportunities

Associates Degrees
- Criminal Justice/Safety Studies/Law
- Enforcement Administration
- Criminal Justice/Police Science
- Corrections
- Criminalistics and Criminal Science

Bachelor's Degrees
- Criminal Justice/Safety Studies/Law
- Enforcement Administration
- Criminal Justice/Police Science
- Juvenile Corrections
- Cyber/Computer Forensics and Counterterrorism

Master's, Doctoral, and Professional Degrees
- Criminal Justice/Safety Studies/Law
- Enforcement Administration
- Natural Resources
- Law Enforcement and Protective Services

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Join the Texas Public Service Association or local criminal justice clubs	• Attend court hearings and other legal procedures

Industry-Based Certifications

- Non-Commissioned Security Officer Level II

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Police and Sheriff's Patrol Officers	$60,112	5,241	13%
Probation Officers and Correctional Treatment Officers	$44,054	793	9%
Correctional Officers and Jailers	$40,186	4,683	9%
Immigration and Customs Inspectors	$78,104	1,236	9%
First-Line Supervisors of Police and Detectives	$91,312	253	25%

Successful completion of the Law and Public Service program of study will fulfill requirements of the Public Service endorsement. Revised – August 2022

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PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY Grade Placement: 9-12 Course #: 17965 Level: I Prerequisite: none Credit: 1 unit	**PRINCIPALS 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 service, security and corrections.
LAW ENFORCEMENT I Grade Placement: 10-12 Course #: 0966 Level: I Prerequisite: Principles of Law, Public Safety, Corrections and Security Credit: 1 unit	**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 constitution law, the United States legal system, criminal law, law enforcement terminology and the classification and elements of crime. Students will apply knowledge and skills through field-based experiences, classroom projects and activities such as handcuffing, misdemeanor traffic stops, felony traffic stops, building searches, domestic crisis interventions and driving while intoxicated investigations.
LAW ENFORCEMENT II Grade Placement: 11-12 Course #: 0967 Level: I Prerequisite: Law Enforcement I, background check, application Credit: 1 unit	**LAW ENFORCEMENT II** is designed to provide the students the knowledge and skills necessary for a career in law enforcement. The course includes the ethical and legal responsibilities of law enforcement personnel, operation of police and emergency telecommunicator equipment and courtroom testimony. Students will take the knowledge learned in Law Enforcement I to a higher level. Students will apply knowledge and skills through hands-on, field based experiences using classroom projects and activities. Student will also gain experience in Computer Aided Dispatching (CAD) through the use of simulation software and equipment as well as through direct observation of people employed in this field. Students will use simulated radio communications systems and participate in simulated 911 calls. Upon completion of this course students will receive the Basic Telecommunicator Certification through IAED ($50 fee for certification).
Practicum in Law, Public Safety, Corrections and Security (Law Enforcement III) Grade Placement: 12 Course # 0719 Level: I Prerequisite: LE II, background check, application Credit: 2 units Some Fees Required	**Practicum in Law, Public Safety, Corrections and Security** The practicum course is designed to give students a practical application of previous studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This may include rotations and or internships. ***This course is offered at MHS only. Students must provide their own transportation.***

Science, Technology, Engineering, and Mathematics Career Cluster

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.

Engineering
Statewide Program of Study

The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. CTE learners will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.

Secondary Courses for High School Credit

Level 1
- Introduction to Engineering Design (PLTW)

Level 2
- Engineering Science (PLTW)

Level 3
- Digital Electronics (PLTW)

Level 4
- Engineering Capstone (PLTW)

Postsecondary Opportunities

Associates Degrees
- Electrical and Electronics Engineering
- Drafting and Design Technology/ Technician, General
- Engineering Technology

Bachelor's Degrees
- Electrical and Electronics Engineering
- CAD/CADD Drafting and/or Design Technology/ Technician
- Bioengineering and Biomedical Engineering
- Construction Engineering Technology/ Technician

Master's, Doctoral, and Professional Degrees
- Electrical and Electronics Engineering
- Mechanical Engineering
- Bioengineering and Biomedical Engineering

Aligned Occupations

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Participate in Skills USA competitions	• Intern at an engineering firm • Shadow a machinist

Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) Inventor for Mechanical Design
- Autodesk Associate (Certified User) Revit Architecture
- Autodesk Associate (Certified User) Revit for Electrical
- Autodesk Associate (Certified User) Revit for Structural Design
- Autodesk Certified Professional Fusion 360
- Autodesk Certified Professional in AutoCAD
- Autodesk Certified Professional in Civil 3D
- Autodesk Certified Professional in Inventor for Mechanical Design
- Autodesk Certified Professional in Revit for Architectural Design
- Autodesk Certified Professional in Revit for Electrical Design
- Autodesk Certified Professional in Revit for Structural Design
- C-103 Certified Industry 4.0 Associate - Robot System Operations
- Engineering Technology Foundations
- Lean Six Sigma Green Belt Certification
- Pre-Engineering/Engineering Technology - Job Ready
- Certified SOLIDWORKS Associate*
  *IBC sunsetting 8/31/24

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineers	$110,843	481	9%
Industrial Engineers	$97,074	1,263	10%
Mechanical Engineers	$91,107	1,535	11%
Chemical Engineers	$112,819	474	9%
Electrical Engineers	$98,405	1,137	105

Successful completion of the Engineering program of study will fulfill requirements of the Business and Industry or STEM endorsement if the math and science requirements are met. Revised – October 2022

TEA Texas Education Agency

Science, Technology, Engineering, and Mathematics Career Cluster

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.

The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. CTE learners will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.

Secondary Courses for High School Credit

Level 1
- Robotics I

Level 2
- Robotics II

Level 3
- Engineering Design and Presentation I

Level 4
- Practicum in STEM

Postsecondary Opportunities

Associates Degrees
- Electrical and Electronics Engineering
- Drafting and Design Technology/ Technician, General
- Engineering Technology

Bachelor's Degrees
- Electrical and Electronics Engineering
- CAD/CADD Drafting and/or Design Technology/ Technician
- Bioengineering and Biomedical Engineering
- Construction Engineering Technology/ Technician

Master's, Doctoral, and Professional Degrees
- Electrical and Electronics Engineering
- Mechanical Engineering
- Bioengineering and Biomedical Engineering

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Participate in Skills USA competitions	• Intern at an engineering firm • Shadow a machinist

Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) Inventor for Mechanical Design
- Autodesk Associate (Certified User) Revit Architecture
- Autodesk Associate (Certified User) Revit for Electrical
- Autodesk Associate (Certified User) Revit for Structural Design
- Autodesk Certified Professional Fusion 360
- Autodesk Certified Professional in AutoCAD for Design and Drafting
- Autodesk Certified Professional in Civil 3D for Infrastructure Design
- Autodesk Certified Professional in Inventor for Mechanical Design
- Autodesk Certified Professional in Revit for Architectural Design
- Autodesk Certified Professional in Revit for Electrical Design
- Autodesk Certified Professional in Revit for Structural Design
- C-103 Certified Industry 4.0 Associate - Robot System Operations
- Engineering Technology Foundations
- Lean Six Sigma Green Belt Certification
- Pre-Engineering/Engineering Technology - Job Ready
- Certified SOLIDWORKS Associate*

*IBC sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineers	$110,843	481	9%
Industrial Engineers	$97,074	1,263	10%
Mechanical Engineers	$91,107	1,535	11%
Chemical Engineers	$112,819	474	9%
Electrical Engineers	$98,405	1,137	105

Successful completion of the Engineering program of study will fulfill requirements of the Business and Industry or STEM endorsement if the math and science requirements are met. Revised – October 2022

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(PROJECT LEAD THE WAY) **ENGINEERING ESSENTIALS** Grade Placement: 9-12 Course #: 21984 Level: I Prerequisite: none Credit: 1 unit	**ENGINEERING ESSENTIALS** is a full-year course designed to be a high school student's first exposure to the PLTW Engineering program. Students explore the work of engineers and their role in the design and development of solutions to real-world problems. The course introduces students to engineering concepts that are applicable across multiple engineering disciplines and empowers them to build technical skills through the use of a variety of engineering tools, such as geographic information systems (GIS), 3-D solid modeling software, and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electronic, process, and logistical solutions to relevant problems across a variety of industry.
(PROJECT LEAD THE WAY) **ADVANCED INTRO TO ENGINEERING DESIGN (IED)** Grade Placement: 9-12 Course #: 21985 Level: II Prerequisite: Algebra I Credit: 1 unit	**(PLTW) ADVANCED INTRO TO ENGINEERING DESIGN (IED)**, the foundation course in a series of Project Lead the Way pre-engineering courses, is designed to introduce the student to the field with emphasis on the concept of developing a 3-D model or solid rendering of an object, beginning with hand sketching and advancing to 3-D modeling software. 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 careers. This science, technology, and math integrated program focuses on engineering design processes while helping students develop skills that better prepare them for a rigorous academic college curriculum.
(PROJECT LEAD THE WAY) **ADVANCED ENGINEERING SCIENCE** Grade Placement: 10-12 Course #: 19986 Level: II Prerequisite: IED Design, minimum grade of 80 from most recent math course taken Credit: 1 unit	**(PLTW) ADVANCED ENGINEERING SCIENCE** is part of the Project Lead the Way pre-engineering sequence and will guide students toward an understanding of the field of engineering and engineering technology while developing skills that better prepare them for a rigorous academic college curriculum. Applying the principles of various technology systems and manufacturing processes helps students learn how engineers and technicians use science, technology and math in an engineering problem-solving process to benefit people. The course includes concerns about social and political consequences of technological change. ***This course can count as a science creditfor graduation. Please see your high school counselor for appropriate science sequence.***
(PROJECT LEAD THE WAY) **DIGITAL ELECTRONICS LEVEL III** Grade Placement: 11-12 Course #: 16987 Level: III Prerequisite: IED, Advanced Engineering Science, minimum grade of 80 from most recent math course taken Credit: 1 unit	**(PLTW) DIGITAL ELECTRONICS LEVEL III** is part of the Project Lead the Way pre-engineering sequence. Students will study the application of electronic logic circuits and devices and apply Boolean logic to the solution of problems. Students will test and analyze simple and complex digital circuitry. Students will design circuits, export their designs to a printed circuit auto routing program that generates printed circuit boards and construct the design using chips and other components. ***This course can count as a math credit for graduation. Please see your high school counselor for appropriate math sequence.***
(PROJECT LEAD THE WAY) **ENGINEERING DESIGN AND DEVELOPMENT LEVEL III** Grade Level: 12 Course#: 16728 Level: III Prerequisite: application Credit: 1 unit	**(PLTW) ENGINEERING DESIGN AND DEVELOPMENT LEVEL III**– in the Capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate & justify a technical problem. After carefully defining the problem, teams design, build & test their solutions while working closely with industry Professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel.

ROBOTICS I Grade Placement: 9-12 Course #: 0729 Level: I Prerequisite: None Credit: 1 unit	**ROBOTICS I** students will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project-based environment including the math and science of robotics. This course also focuses on software development required to implement robotic systems. Students will build prototypes or use simulation software to test their designs. Additionally, students explore career opportunities, employer expectations, and educational needs in the robotic and automation industry. ***Weekend competitions optional.***
ROBOTICS II Grade Placement: 10-12 Course#: 17725 Level: I Prerequisite: Robotics I Credit: 1 unit	**ROBOTICS II** is a project-based course in which students use competitive robotic events and apply 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, skills, and technologies in a variety of settings. ***Weekend competitions required and application.***
ENGINEERING DESIGN AND PRESENTATION (ROBOTICS III) Grade Placement: 11-12 Course #: 0977 Level: I Prerequisite: Robotics II Credit: 1 unit	**ENGINEERING AND PRESENTATION** is a project-based course in which students demonstrate knowledge and skills of the process of design 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 the development of robots for specific competitive events. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas. ***Weekend competitions required and application.***
PRACTICUM IN STEM (ROBOTICS IV) Grade Placement: 12 Course # 0720 Level: I Prerequisite: Robotics III Credit: 2 units	**PRACTICUM IN STEM** 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. ***Weekend competitions required and application. This course is offered at MHS only.***

Transportation, Distribution, and Logistics Career Cluster

The Transportation, Distribution, and Logistics Career Cluster focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Aviation
Regional Program of Study

The Aviation regional program of study introduces CTE learners to the occupations and education opportunities related to understanding the principles and science of flight, aviation engineering, air navigational aids, air traffic controls, and communications equipment to ensure conformance with federal safety regulations.

Secondary Courses for High School Credit

Level 1
- Introduction to Aerospace and Aviation

Level 2
- Aviation Ground School

Level 3
- Practicum in Transportation Systems I

Level 4
- Practicum in Transportation Systems II

Postsecondary Opportunities

Associates Degrees
- Airline Pilots, Copilots, and Flight Engineers

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Participate in SkillsUSA • Explore virtual aviation websites	• Work in an aviation apprenticeship or internship • Work for a drone company

Industry-Based Certifications

- FAA Part 107 Remote Drone Pilot
- Certified Aerospace Technician*
- OSHA 30 Hour General*

*IBC sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineering and Operations Technicians	$60,757	114	9%
Airline Pilots, Copilots, and Flight Engineers	$165,130	1,150	9%
Commercial Pilots	$86,310	548	9%

Successful completion of the Aviation regional program of study will fulfill requirements of the Business and Industry or STEM endorsement if the math and science requirements are met. Revised – August 2022

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INTRODUCTION TO AEROSPACE AND AVIATION (Aviation I) Grade Placement: 9-12 Course #: 23714 Level: I Prerequisite: None Credit: 1 unit	**INTRODUCTION TO AEROSPACE AND AVIATION** is the first course in the Aviation Academy Program. Students will discover the components of the transportation infrastructure. Performance requirements will include academic and technical skills. In this introductory aviation course, students gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems surrounding the aviation industry. This knowledge includes the history, laws and regulations, and common practices used in the logistics of transportation systems focusing on aircraft transportation.
AVIATION GROUND SCHOOL (Aviation II) Grade Level: 10-12 Course #: 21715 Level: I Prerequisite: application Credit: 1 unit Fee required	**AVIATION GROUND SCHOOL** is the second course in the Aviation Academy Program preparing students for a career as an aviation professional. This course is a study of the basics in flight, including aerodynamics, aircraft systems, weight and balance, charts, navigation, flight planning, regulations, and weather. Successful completion of the course completes requirements to take the Federal Aviation Administration Private Pilot Knowledge exam. Students who are at least 16 years old may receive their student pilot certificate. **At the conclusion of year II, s*tudents will apply to the Aviation Academy to take the next two years of the McKinney ISD program.***
AEROSPACE ENGINEERING (Aviation III) Grade Level: 11-12 Course #: 22716 Level: I Prerequisite: Aviation II &application Credit: 2 unit Fee required	**AEROSPACE ENGINEERING** is the third course in the McKinney ISD Aviation Academy Program that will result in preparation to become a certified Pilot or Aircraft Repairman/ Mechanic. This course is designed to provide training for entry-level employment in the Logistics, Planning, and Management Systems surrounding aviation. This course will apply the theory of operation, repair, and maintenance of aircraft airframe, power plant, and avionics systems. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft as governed by federal aviation regulations. Students may also have the opportunity for 1 hour of flight time with a certified instructor. ***This course will have limited enrollment number. It is the student's responsibility to provide their own transportation to and from designated campuses and McKinney airport.***
PRACTICUM IN TRANSPORTATION SYSTEMS (Aviation IV) Grade Level: 12 Course# 22717 Level: I Prerequisite: Aviation III & application Credit: 2 Fee required	**PRACTICUM IN TRANSPORTATION SYSTEMS** is the final course (with the McKinney ISD Aviation Academy Program) in a four-course sequence that will result in the ability to begin the pathway towards a career in the aerospace/aviation industry. Possible paths include post-secondary education (ie. professional pilot, air traffic control, flight dispatch, airport management) or employment within the industry (ie. mechanics, line operations, guest relations, manufacturing). To help focus their professional skills and career direction, this course provides opportunities for students to "job shadow" with professionals working daily in the aviation industry. Students will be subject to random drug testing. The expense of this program is the responsibility of the student. Students will spend the majority of this class at the airport. ***This course will have limited enrollment numbers. It is the student's responsibility to provide their own transportation to and from designated campuses, McKinney airport and/or job training site.***

GENERAL ELECTIVES

AVID I-IV (ADVANCEMENT VIAINDIVIDUAL DETERMINATION) Grade Placement: 9-12 Course #: 9th-18797; 10th-18798; 11th-18799; 12th-18800 All course numbers Level: I Prerequisite: must be identified as an AVID student through an application and interview process. Credit: 1 unit	**AVID I-IV (ADVANCEMENT VIA INDIVIDUAL DETERMINATION)** prepares students in the academic middle for college eligibility and success. Students receive instruction in writing, inquiry, collaboration and reading strategies in addition to note-taking and organizational skills that are necessary for academic success. AVID students must enroll in at least one Advanced, AP, or dual credit course in addition to the AVID elective class. Tutors are provided during the AVID class to support student success in all courses. ***A student in the AVID program may be eligible to receive embedded credit for the course Communication Applications. See the course description on p. 34 and/or the counselor for more information.***
STUDENT GOVERNMENT LEADERSHIP Grade Placement: 9-12 Course #: 0791 Level: I Course #: 0796 Level: local credit Prerequisite: application Credit: 1 unit	**STUDENT GOVERNMENT LEADERSHIP** focuses on leadership training through practical experiences. Students utilize the class time to plan, organize and coordinate student council and school activities such as newcomer orientation, homecoming, food and blood drives and prom. Topics such as group interaction, organization skills, communication and goal setting are covered. This course is required for all student council executive and class officers. ***A maximum of 1 credit can count toward state graduation requirements and GPA. Students may take this course after year one for local credit which means that grades will appear on the transcript but will not calculate into the GPA.***
TEEN LEADERSHIP Grade Placement: 9-12 Course #: 0790 Level: I Prerequisite: none Credit: .5 unit	**TEEN LEADERSHIP** is a character education and leadership development course that includes leadership skills, personal responsibility, principle-based decision-making, social skills, communication skills and goal setting.
PALS I (PEER ASSISTANCE AND LEADERSHIP) Grade Placement: 11-12 Course #: 0794 Level: I Prerequisite: application, advisory committee approval. Credit: 1 unit	**PALS I (PEER ASSISTANCE AND LEADERSHIP)** is implemented as a peer-helping program in which selected high school students are trained to work as peer facilitators with younger students on their own campuses and/or from feeder middle and elementary schools. Participants are trained in a variety of helping skills that enables them to assist other students in having a more positive and productive school experience. The course serves the dual purposes of providing practical knowledge and skills, as well as actual field experience for students potentially interested in careers in education or other service professions. PALS use positive peer influence as a central strategy for addressing dropouts, substance abuse prevention, teen pregnancy and suicide, absenteeism and other areas of concern.
PALS II (PEER ASSISTANCE AND LEADERSHIP) Grade Placement: 11-12 Course #: 0795 Level: I Prerequisite: PALS I, application Credit: 1 unit	**PALS II (PEER ASSISTANCE AND LEADERSHIP)** incorporates all the essential elements of the first-year class with emphasis on higher-level projects and skills, such as assistance with training of first-year peer helpers, peer mediation and conflict resolution, community service, group facilitation and accelerated service delivery. These peer helpers will assist feeder schools in the implementation and management of conflict management teams.
SPORTS MEDICINE I(ATHLETIC TRAINING) Grade Placement: 9-12 Course #: 3215 Level: I Prerequisite: application Credit: 1 unit	**SPORTS MEDICINE I (ATHLETIC TRAINING)** is a study and application course that presents the concepts of sports medicine and provides opportunities for the student to practice hands-on athletic training skills. Areas of study include basic anatomy and physiology, athletic injuries and conditions, injury prevention and rehabilitation techniques, sports nutrition, sports psychology, legal issues in sports medicine, and sports medicine related-careers. Recommended for students interested in any allied health career. ***This class does NOT satisfy a PE credit for state graduation.***
SPORTS MEDICINE II (ATHLETIC TRAINING) Grade Placement: 10-12 Course #: 3217 Level: I Prerequisite: Sports Medicine I & instructor approval Credit: 1 unit	**SPORTS MEDICINE II (ATHLETIC TRAINING)** is an application course that allows the student to use and build upon knowledge gained in Sports Medicine I in a practical setting. Students will work in the Athletic Training Room developing skills such as athletic taping and bracing, injury recognition and evaluation, injury treatment and therapeutic exercise and Athletic Training Room management. ***This class does NOT satisfy a PE credit for state graduation.***

ART APPRECIATION (dual credit) Grade Placement: 9-12 Course #: 1350 Level: II Prerequisite: counselor approval and Collin College admission Credit: .5 unit	**ARTS1301 ART APPRECIATION (dual credit)** is a general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical context. ***Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This course will count as an elective only and will not satisfy the fine art requirement.***
LEARNING FRAMEWORK (dual credit) Grade Placement: 9-12 Course #: 201300 Level: II Prerequisite: counselor approval and Collin College admission Credit: .5 unit	**EDUC1300 LEARNING FRAMEWORK (dual credit)** A study of the: 1) research and theory in the psychology of learning, cognition, and motivation; 2) factors that impact learning, and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned ***Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This course will count as an elective only and will not satisfy the fine art requirement.***

LEADERSHIP EDUCATION (JROTC) ENDORSEMENT AREA: PUBLIC SERVICE

https://www.schools.mckinneyisd.net/mhs/mcjrotc-4/

Possible career objectives for students with Leadership Education training: Executive Leadership, Management, Ambassador, Civilian Service, Government, Public Relations, Logistics, Operations, Consultant, Politician/Political Analyst/Political Strategist, Analyst, Historian, Project Coordinator, or thousands of other civilian-parallel Military Occupational Specialties within the Armed Services

ENROLLING IN LEADERSHIP EDUCATION

Students wishing to participate in the Leadership Education courses are required to join the Junior Reserve Officers Training Corps (JROTC) program, currently offered only at McKinney High School (MHS). Students who wish to participate in JROTC must be enrolled as students of MHS. Thus, all students participating in JROTC must be students of McKinney High School. Students not currently enrolled at MHS or not zoned to attend MHS, must complete an application for a programmatic transfer to MHS and include the JROTC Letter of Eligibility signed by the student's current Principal/Principal's designee as part of the application for programmatic transfer. To be eligible to participate in JROTC, students must complete the JROTC Letter of Eligibility and provide a physical from a medical doctor certifying the student is healthy enough to participate in JROTC. Students must have health insurance or purchase health insurance in order to participate in JROTC. Students will present proof of health insurance as part of the JROTC Letter of Eligibility.

CONTINUING IN LEADERSHIP EDUCATION

Participation in Leadership Education courses and JROTC is a privilege. Students admitted into Leadership Education courses/the JROTC program must maintain satisfactory academic, disciplinary and attendance standards. Students failing to maintain satisfactory academic, disciplinary and attendance standards may be removed from JROTC and Leadership Education courses upon the request of the JROTC Instructor. If the student is attending McKinney High School based on a programmatic transfer for JROTC, the student's transfer to MHS may be revoked upon request from a McKinney High School Administrator.

Students may not be placed in Leadership Education courses without the approval of a JROTC Instructor. *(Exception: Students who complete an LE course at MHS in good standing or who enroll at MHS in good standing with current placement in a JROTC program or Leadership Education course are automatically approved for enrollment in the Leadership Education course at MHS.* Students in JROTC are required to wear their uniform at least once per week. Wearing the uniform must comply with the standards set forth by the JROTC instructors. Care and maintenance of all JROTC uniforms and equipment are the responsibility of the student and the parent who has agreed to allow their student to participate in the program.

LEADERSHIP EDUCATION I (JROTC I) Grade Placement: 9-12 Course #: 0695 (with PE) Level: I 0696 (without PE) Prerequisite: Application Credit: 1 unit	**LEADERSHIP EDUCATION I** is the study of origins of leadership, ethics, morals and values. Students examine their own leadership beliefs through activities in introspection and situational analysis along with military leadership traits. Patriotism, citizenship, basic rights, physical fitness, personal health, hygiene and nutrition are key components of LE1. Other topics studied include public service, general military subjects including rank and structure, chain of command, first aid, marksmanship and the history of the Marine Corps. Personal professional appearance and the wearing and care of uniforms and equipment are also an ongoing focus of the introductory LE course.
LEADERSHIP EDUCATION II (JROTC II) Grade Placement: 10-12 Course #: 0697 Level: I Prerequisite: Completion of JROTC I Credit: 1 unit	**LEADERSHIP EDUCATION II** is the study of the objectives of leadership, responsibilities and accountability of leaders, and the motivational principles and techniques of leaders. The role of the Officer and NCO as leaders is studied. An in-depth analysis of the Freedom Documents, US flag, the American Seal and other symbols of freedom and citizenship are a focus in this course along with principles of National Defense, Branches of Gov't, political systems and current events. Students enrolled in LE2 will learn advanced knowledge in ongoing topics of focus including communication (written and oral), health and personal hygiene, wear and care of the uniform, land navigation, the UCMJ, marksmanship, organizational leadership, career exploration and topics of American war history.
LEADERSHIP EDUCATION III (JROTC III) Grade Placement: 11-12 Course #: 0698 Level: I Prerequisite: Completion of JROTC II Credit: 1 unit	**LEADERSHIP EDUCATION III** is an advanced course in leadership education studies. The focus in this course is on leading organizations and teams. Leaders will learn to conduct individual and team training, inspections, and performance evaluations. Students will analyze and study various leadership styles. Other topics include advanced study of the roles of the President and Congress in national defense during and in between wars, Personal Finance, College and Career preparation, public service, Reward Systems (medals and ribbons), advanced marksmanship safety and range operations, advanced land navigation techniques and equipment, military career pathways, and the history and rank structure of other Armed Services.
LEADERSHIP EDUCATION IV (JROTC IV) Grade Placement: 12 Course #: 0699 Level: I Prerequisite: Completion of JROTC III Credit: 1 unit	**LEADERSHIP EDUCATION IV (LE4)** is the culminating course in the Leadership Education pathway. Students in this course will study organizational conflict and resolution topics including sexual harassment, fraternization and equal opportunity. The role of the leader in leading effective and efficient organizations is a primary focus in this course. Leaders focus on management, research, instruction, wellness, morale, and the roles and responsibilities of others. Transition to post high school is an area of intense focus and preparation. Students will take the ASVAB test, prepare their resume, conduct mock interviews, research college entrance requirements and other career interest studies. To better understand the differences between civilian law and the military system of law, students will conduct a mock trial based on the Uniformed Code of Military Justice (USMJ).

MISD INTERDISCIPLINARY STUDIES/MENTORING SEMINAR (ISM)

ADVANCED INTERDISCIPLINARY STUDIES AND MENTORING (ISM) Grade Placement: 11-12 Course #: 16901 (First year) Level: II Course #: 0901 (Second year) Level: II Prerequisite: Application Credit: 1 unit	**ADVANCED MISD INTERDISCIPLINARY STUDIES AND MENTORING (ISM)** allows students an opportunity to explore fields of study outside the offered high-school courses. Students who want to register for ISM go through a selection and application process the spring of their 10th or 11th grade year. Once approved by the ISM Committee, students select careers or topics of study. They develop a research portfolio that has a collection of resources including interviews and observations with people who work in their chosen topic field. Students work on time management, communication, goal setting, and presentation skills. Second semester, they work with mentors on a regular basis to gain real-world experience. Students are expected to generate original ideas, participate in extensive research, complete a written analysis of their research, and design original products or innovative performances. Students are expected to make formal presentations of their projects before professionals in that field. ***A student in the ISM program may be eligible to receive embedded credit for the course Communication Applications. See the course description on p. 34 and/or the counselor for more information.***

23-24 ACADEMIC PLANNING GUIDE

FINE ARTS **ENDORSEMENT AREA: ARTS & HUMANITIES**

MUSICAL ARTS

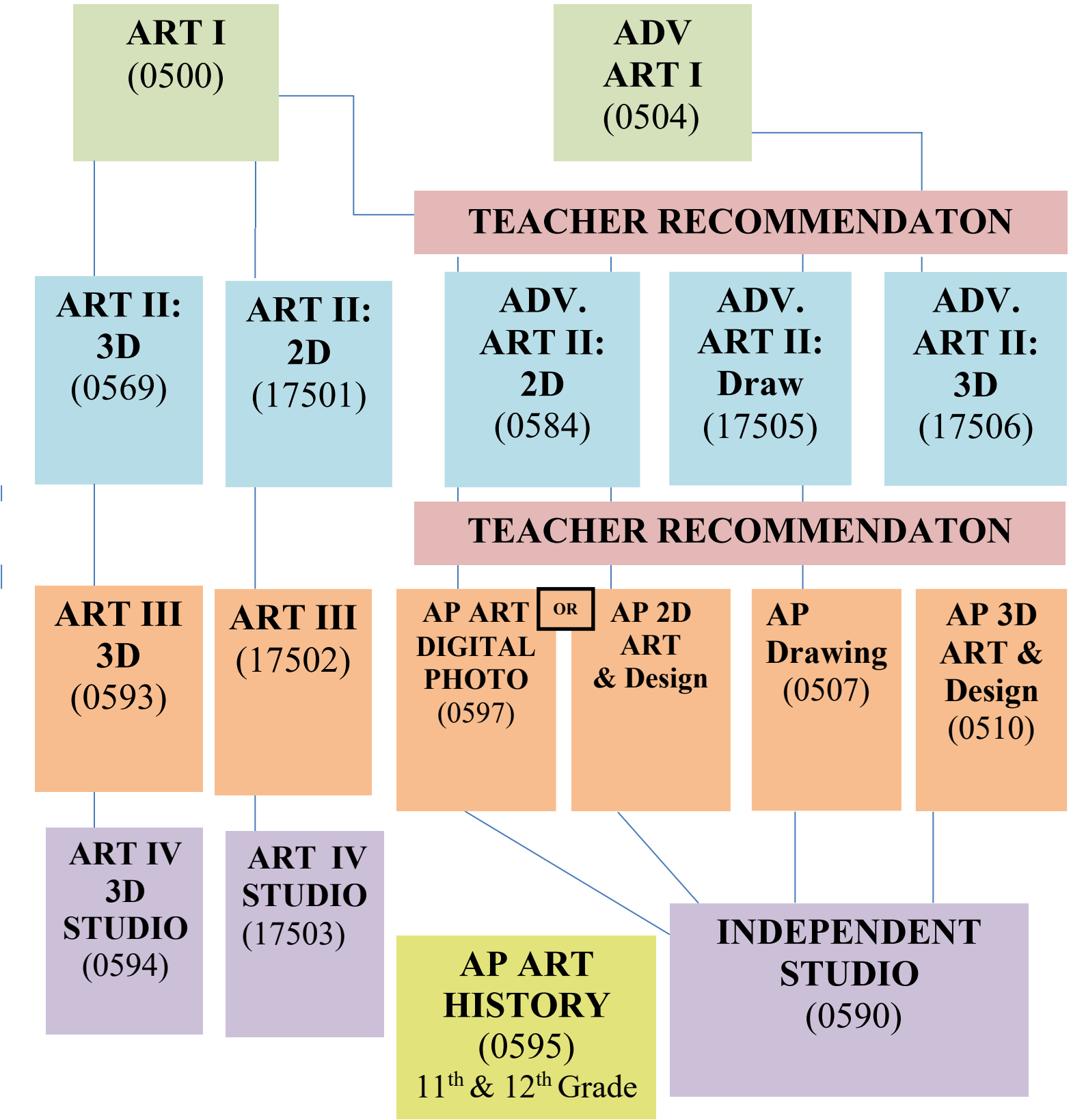
Possible career objectives for students with interest in the fine arts- MUSIC: Music study develops many wide-ranging skills that are valued in a variety of careers. Studying music enhances both independence and teamwork, self-expression and listening, preparedness and patience. In addition to careers such as medicine, engineering, law, etc., music students may be interested in performing, teaching, audio engineering, broadcasting, conducting, composing, arts management, music technology, or another of many occupations in the music field.

BAND I-IV Grade Placement: 9-12 Course #: Level I -0991; Level II -0992; Level III-0993; Level IV-0994 All course numbers Level: I Prerequisite: audition and director approval. Each year serves as a prerequisite for the next year. Credit: 1 unit fine arts; .5 unit PE during the fall semester for 1st and 2nd year	**BAND I-IV** Students enrolled in band will be placed in an ability-based ensemble as determined by director upon completion of the required audition. Participation in marching band is required. Scheduled performances and rehearsals outside of the school day are a part of the graded requirements for band courses for both the marching and concert band seasons. ***Students will receive PE credit for marching band during fall semester of the first and second year and a fine arts credit for the entire year for all four years***.
COLOR GUARD Grade Placement: 9-12 Course #: Level I-0565; Level II-0566; Level III-0567; Level IV-0568 All course numbers Level: I Prerequisite: audition and director approval Credit: .5 unit fine arts; .5 unit PE during the fall semester for 1st and 2nd year.	**COLOR GUARD** is a part of the high-school band program and is a semester-long course that participates in marching band in the **fall semester**. All students are welcome to audition for the color guard including non-band members. All students acquire skills in several varieties of equipment including flag, rifle and saber. ***Students will receive PE credit for marching band during the fall semester of the first and second year and a .5 fine arts credit for the fall semester for all four years.***
WINTER GUARD Grade Placement: 9-12 Course #: Level I-0585; Level II-0586; Level III-0587; Level IV-0588 All course numbers Level: I Prerequisite: must have participated in Color Guard in the fall semester or director approval Credit: .5 unit fine arts	**WINTER GUARD** is a part of the high-school band program and is a semester-long course that takes place in the **spring semester**. All students are welcome to participate in winter guard including non-band members. All students acquire skills in several varieties of equipment including flag, rifle and saber. Students will participate in various Winter Guard competitions throughout the spring semester. ***Students will receive .5 fine arts credit for spring semester.***
JAZZ ENSEMBLE Grade Placement: 9-12 Course #: Level I-0514; Level II-0515; Level III-0516; Level IV-0517 All course numbers Level: I Prerequisite: audition and director approval Credit: 1 unit	**JAZZ ENSEMBLE** focuses on the study of jazz, rock, funk, fusion, Latin and big band-literature. Improvisation, jazz theory and jazz history will also be studied. Concurrent enrollment in a concert band class is required. Members must enroll for the entire school year.
ORCHESTRA I-IV Grade Placement: 9-12 Course #: Level I-0547; Level II-0548; Level III-0549; Level IV-0550 All course numbers Level: I Prerequisite: audition and director approval. Each year serves as a prerequisite for the next year. Credit: 1 unit	**ORCHESTRA I-IV** Students enrolled in orchestra will be placed in an ability-based ensemble as determined by the director. Course offerings include only string instruments: violin, viola, cello and acoustic string bass. Playing proficiencies, demonstrated by each student, are used to determine orchestra placement. Scheduled performances and rehearsals outside the normal class period are a part of the graded requirements for orchestra courses.
CHOIR I-IV Grade Placement: 9-12 Course #: Level I-18530; Level II-18531; Level III-18532; Level IV-18533 All course numbers Level: I Prerequisite: audition, director approval, previous middle school choir experience preferred but not required Credit: 1 unit	**CHOIR I-IV** Students enrolled in choir will be placed in an ability-based ensemble as determined by director upon completion of an audition. Auditions take place either in the spring semester of previous school year or at the time of enrollment in choir. Student ability placement is based primarily on vocal tone and sight-reading skills, with singers being placed in appropriate ensembles based on those skill levels. Scheduled performances and rehearsals outside the normal class period are a part of the graded requirements for choir courses.

VOCAL JAZZ ENSEMBLE Grade Placement: 9-12 Course #: Level I-18534; Level II-18535; Level III -18536; Level IV -18537 All course numbers Level: I Prerequisite: audition and director approval Credit: 1 unit	**VOCAL JAZZ ENSEMBLE** is an Advanced Level 4 mixed vocal jazz ensemble. Concurrent membership in one of the larger choirs is required of all vocal jazz students. Students are required to participate in a vigorous concert schedule throughout the year. **This class has limited enrollment.**
AP MUSIC THEORY Grade Placement: 11-12 Course #: 0539 Level: III Prerequisite: fine arts instructor approval, students should be able to read music, pass entrance exam Credit: 1 unit	**AP MUSIC THEORY** is recommended for students that are interested in pursuing music as a major in college. The course will provide students with a learning experience equivalent to that of an introductory college course in music theory. The course will develop a student's ability to recognize, understand, describe and analyze the basic materials and processes of music that are heard or presented in a score. It is recommended that students have prior training in music either through private lessons (vocal or instrumental), participation in an ensemble, or an introductory rudiments/theory course. It is also recommended that students participate in a music ensemble while taking the course. **Students are required to take the AP exam.**

MISD Visual Art Courses Progression Chart

***With instructor approval, a student can jump from core to Advanced.**



VISUAL ARTS

ENDORSEMENT AREA: ARTS & HUMANITIES

Possible career objectives for students with talent in the fine arts- VISUAL: Advertising, Animator, Interior Design, Illustrator, Ceramics, Fashion, Display Design, Environmental Designer, Set Designer, Architecture, Graphic Artist, Art Collector/Director, Art Historian/Art Teacher, Jewelry Design, Production Artist, Sculptor, Printer, Caricature Artist, Fiber Artist, and Photography

ART I Grade Placement: 9-12 Course #: 0500 Level: I Prerequisite: none Credit: 1 unit	**ART I** is a full-year course that is based on the TEKS basic strands: foundation observation and perception, creative expression, historical and cultural relevance, and critical evaluation and response. This course is designed to expose students to a variety of media in drawing, 2D Design, 3D Design and 2D Design digital. Students will develop technical, expressive and creative thinking as they produce works of art. Art I is a study and application of the basic fundamentals of visual art. Lab fee may be required.
ART (2-D) DESIGN Grade Placement: 10-12 Course #: Level II-17501; Level III-17502; Level IV-17503 All course numbers Level: I Prerequisite: Art I portfolio and instructor approval Credit: 1 unit	**ART II (2-D) DESIGN** is a full-year course that is based on the TEKS basic strands: foundation observation and perception, creative expression, historical and cultural relevance, and critical evaluation and response. Students in this class will continue to refine their drawing and painting skills using traditional and digital material. A variety of 2-D subject matter and media will be used to visually express ideas. Lab fee may be may be required.
ART (3-D) DESIGN Grade Placement: 10-12 Course #: Level II-0569; Level III-0593; Level IV-0594 All course numbers Level: I Prerequisite: Art I portfolio and instructor approval Credit: 1 unit	**ART II (3-D) DESIGN** is a full-year course that is based on the TEKS basic strands: foundation observation and perception, creative expression, historical and cultural relevance, and critical evaluation and response examines the fundamentals of working with sculpture materials and methods in designing and creating 3D forms. This environment is self-paced with guided instruction that requires discipline on behalf of the student. Lab fee may be required.
ADVANCED ART I Grade Placement: 9-12 Course #: 0504 Level: II Prerequisite: Instructor approval from middle school and/or portfolio review Credit: 1 unit	**ADVANCED ART I** is a full-year course that is based on the TEKS basic strands: foundation observation and perception, creative expression, historical and cultural relevance, and critical evaluation and response. This course is a full year rigorous, sequential program for students with a serious interest in pursuing a college level portfolio. This course will focus on an advanced curriculum designed to strengthen students' studio interest in drawing, 2D Design, 3D Design and 2D Design digital studio interest. Lab fee may be required.
ADVANCED ART II DRAWING Grade Placement: 10-12 Course #: 17505 Level: II Prerequisite: Advanced Art I portfolio and instructor approval Credit: 1 unit	**ADVANCED ART II DRAWING** is a full-year course that is based on the TEKS basic strands: foundation observation and perception, creative expression, historical and cultural relevance, and critical evaluation and response. Drawing is the one common denominator that unites all the visual arts. Students in this class will continue to refine their drawing and painting skills. A variety of media will be used to visually express ideas. Lab fee may be required.
ADVANCED ART II (3-D) DESIGN Grade Placement: 10-12 Course #: 17506 Level: II Prerequisite: Advanced Art I portfolio and instructor approval Credit: 1 unit	**ADVANCED ART II (3-D) DESIGN** is a full-year course that is based on the TEKS basic strands: foundation observation and perception, creative expression, historical and cultural relevance, and critical evaluation and response is a rigorous, sequential program for students with a serious interest in pursuing a college-level portfolio. Students will gain an understanding of the fundamentals of working with sculpture materials and methods in designing and creating 3D forms. Lab fee may be required.
ADVANCED ART II: (2-D) DESIGN Grade Placement: 10-12 Course #: 17507 Level: II Prerequisite: Advanced Art I portfolio and instructor approval Credit: 1 unit	**ADVANCED ART II (2-D) DESIGN** is a rigorous, full-year course that is based on the TEKS basic strands: foundation observation and perception, creative expression, historical and cultural relevance, and critical evaluation and response. Students in this class will continue to refine their drawing and painting skills using traditional and digital material. A variety of 2-D subject matter and media will be used to visually express ideas. Lab fee may be required.

AP DRAWING Grade Placement: 10-12 Course #: 0507 Level: III Prerequisite: Advanced Art II (2-D) Drawing, and/or instructor approval Credit: 1 unit	**AP DRAWING** is designed for art students who wish to pursue college-level studies in art. It explores formal, expressive and representational issues involved in artwork with specific focus mark making. The course requires up to 24 high-quality portfolio items by the beginning of May. Students are required to submit an AP studio Portfolio which is their Advanced Placement exam. Lab fee may be required.
AP 2-D ART & DESIGN Grade Placement: 10-12 Course #: 0508 Level: III Prerequisite: Advanced Art II (2-D), and/or instructor approval Credit: 1 unit	**AP 2-D ART & DESIGN** is designed for art students who wish to pursue college-level studies in art. It explores formal, expressive and representational issues involved in 2-D Design artwork with specific focus on traditional media. The course requires up to 20 high-quality portfolio items by the beginning of May. Students are required to submit an AP studio Portfolio which is their Advanced Placement exam. Lab fee may be required.
AP 2-D ART & DESIGN: PHOTO Grade Placement: 10-12 Course #: 0597 Level: III Prerequisite: Advanced Art II (2-D), and/or instructor approval Credit: 1 unit	**AP 2-D ART & DESIGN: PHOTO** is designed for art students who wish to pursue college-level studies in photographic artor digital mass media communications. It explores contemporary and 21st century visual communication methods and avenues with a specific focus on digital visual representations. The course requires up to 20 High-quality portfolio items by the beginning of May. Students are required to submit an AP studio Portfolio which is their Advanced Placement exam. Lab fee may be required.
AP 3-D ART & DESIGN Grade Placement: 10-12 Course #: 0510 Level: III Prerequisite: Portfolio, and/or instructor approval Credit: 1 unit	**AP 3-D ART & DESIGN** is designed for art students who wish to pursue college-level studies in art. It explores specific, formal, and expressive in 3-D media. The course requires up to 20 high-quality portfolio items by the beginning of May. Students are required to submit an AP studio Portfolio which is their Advanced Placement exam. Lab fee may be required.
INDEPENDENT STUDIO Grade Placement: 10-12 Course #: 0590 Prerequisite: Concurrent Enrollment in AP Studio Art: 2-D, 3-D, or Drawing Credit: 1 local unit	**INDEPENDENT STUDIO** will offer essential time for students to complete assignments for their AP studio Art portfolios. This class will offer teaching guidance including critiquing artwork so the studentscan meet the high standards of the AP portfolios. Students must be concurrently enrolled in an **AP STUDIO ART Course**. Lab fee may be required.
AP ART HISTORY Grade Placement: 11-12 Course #: 0595 Level: III Prerequisite: none Credit: 1 unit	**AP ART HISTORY** is a chronological survey of architecture, painting, sculpture and photography of the Western tradition and selected works from some cultures beyond the European tradition. The sequential presentation of the artwork studies in the course begins in the Prehistoric period and ends with Post-Modernism. Student will study the artworks in a historical context addressing any issues such as politics, religion, patronage, gender, function and ethnicity; and in a visual context. Students will develop and practice clear writing skills and the language of art analysis. Students are required to submit an AP studio Portfolio which is their Advanced Placement exam. Lab fee may be required.
PARTNERS ART Grade Placement: 10-12 Course #: Level II-17501; Level III-17502; Level IV-17503 All course numbers Level: I Prerequisite: Art I, application, and interview Credit: 1 unit	**PARTNERS ART** is a success-oriented visual arts education program featuring supervised peer tutors and individualized learning and instruction. Through a variety of activities, all students will learn to create and appreciate visual arts. This course addresses the unique physical and mental needs of students with disabilities in a setting that allows for positive interaction with partner peers. Partner students must work with their special buddy, be encouraging at all times, and handle materials appropriately for activities. ***Students must apply for this course.***

THEATRE ARTS

ENDORSEMENT AREA: ARTS & HUMANITIES

Possible career objectives for students with talent in the fine arts - THEATRE/DANCE: Actor, Costume Design, Lighting/Sound Technician, Producer, Set Designer, Theatre Manager, Choreographer, Lawyer, Critic, Broadcaster, Dancer, Playwright, Public Relations, Film/Stage Director, Teacher, Commercials, Politician, and Vocal Coach

THEATRE ARTS I Grade Placement: 9-12 Course #: Level I-0574 Level: I Credit: 1 unit	**THEATRE ARTS I** is an introductory course in stage production that focuses on giving students experience in acting, beginning theatrical studies and history of theater. ***Students are required to participate in at least one public performance during the school year***.
THEATRE ARTS II-IV Grade Placement: 10-12 or 9 with director approval Course #: Level II-0575; Level III-0576; Level IV-0577 All course numbers Level: I Prerequisite: Theatre Arts I and instructor approval Credit: 1 unit	**THEATRE ARTS II-IV** is a continuing course in theatrical studies that concentrates on theory, technique and theatre history from an acting perspective. Students are required to participate in at least one public performance during the year. ***A student in the Theater program may be eligible to receive embedded credit for the course Communication Applications. See the course description on p. 34 and/or the counselor for more information.***
TECHNICAL THEATRE I Grade Placement: 9-12 Course #: 0540 Level: I Prerequisite: none Credit: 1 unit	**TECHNICAL THEATRE I** is an introductory course in stage production that gives students experience in management, design, scenic and costume construction, and stage sound and lighting. Fee may be required. ***Students are required to participate in several after-school productions throughout the year.***
TECHNICAL THEATRE II Grade Placement: 10-12 Course #: 0541 Level: I Prerequisite: Technical Theatre I and instructor approval Fee required Credit: 1 unit	**TECHNICAL THEATRE II** is a continuing course in stage production that gives students experience in management, design, scenic and costume construction and stage sound and lighting. Fee may be required***. Students are required to participate in several after-school productions throughout the year.***
TECHNICAL THEATRE III Grade Placement: 10-12 Course #: 0542 Level: I Prerequisite: Technical Theatre I, II and instructor approval Credit: 1 unit	**TECHNICAL THEATRE III** is an advanced production-based class that offers students the opportunity to further their knowledge in design and stage practicum. This class allows students to focus on certain areas of technical theatre study that include all facets of theatrical design, advanced set construction, advanced lighting and sound and advanced costume construction. Fee may be required. ***Students are required to participate in several school productions throughout the year.***
TECHNICAL THEATRE IV Grade Placement: 10-12 Course #: 0543 Level: I Prerequisite: Technical Theatre I, II and instructor approval Credit: 1 unit	**TECHNICAL THEATRE IV** is an advanced production-based class that offers students the opportunity to further their knowledge in design and stage practicum. This class allows students to focus on certain areas of technical theatre study that include all facets of theatrical design, advanced set construction, advanced lighting and sound and advanced costume construction. The class also assists students in preparing for a career in technical theatre or design, and in preparation for UIL design contests. Fee may be required. ***Students are required to participate in several school productions throughout the year.***
THEATRE PRODUCTION I-IV Grade Placement: 9-12 Course #: I-0551; II-0552; III-0553; IV-0555 All course numbers Level: I Prerequisite: Instructor approval Credit: 1 unit	**THEATRE PRODUCTION I-IV** is an advanced course in stage production that offers students further experience in acting and performance while incorporating both the historical perspective and future opportunities for students. Students will also explore alternative acting and professional theatrical careers as well as the college audition process. Fee may be required. ***Significant outside class work is required.*** ***A student in the Theater Production program may be eligible to receive embedded credit for the course Communication Applications. See the course description on p. 34 and/or the counselor for more information.***

MUSICAL THEATRE Grade Placement: 10-12 Course#: I-0600; II-0601; III-0602; IV-0603 All course numbers Level: I Prerequisite: Instructor approval and previous enrollment in any theatre, choir or dance course. Co-Requisite: Concurrent enrollment in Theatre Production I-IV or Theatre II-IV is required Credit: 1 unit	**MUSICAL THEATRE** is an introduction to the disciplines of musical theatre. Creative acting exercises, basic vocal technique and dance will be explored and culminate with a class performance. This course will help prepare students for a career in musical theatre. Students will review the history of musicals, assess different career options and receive training in audition techniques and resume preparation. Additionally, the course will also provide instruction on the three main elements of music theatre song, drama and dance--and create a framework in which these are blended into an individualized performance style. Fee may be required. ***Significant work outside of the regular class period is required.***
THEATRE DIRECTING Grade Placement: 11-12 Course #: I-0560; II-21561 All course numbers are Level: I Prerequisite: Instructor approval. Co-Requisite: Concurrent enrollment in Theatre Production II, III, IV or Technical IV Credit: 1 unit	**THEATRE DIRECTING** is a varsity-level course in stage production that concentrates on the process of directing a production from beginning preproduction, casting, production and postmortem. Each student will direct a show presented to the public.
PARTNERS THEATER Grade Placement: 10-12 Course #: Level II-0575; Level III-0576; Level IV-0577 All course numbers Level: I Prerequisite: Theater I, application, and interview Credit: 1 unit	**PARTNERS THEATER** is a success-oriented theater arts education program featuring supervised peer tutors and individualized learning and instruction. Through a variety of activities, all students will learn to practice and appreciate theater arts. This course addresses the unique physical and mental needs of students with disabilities in a setting that allows for positive interaction with partner peers. Partner students must work with their special buddy, be encouraging at all times, and handle materials appropriately for activities. ***Students must apply for this course.***

JUNIOR VARSITY DRILL TEAM Grade Placement: 9-12 Course #: Level I-0634; Level II-0635; Level III-0636; Level IV-0637 All course numbers Level: I Prerequisite: Audition Credit: 1 unit fine arts; 1 unit PE for the first year.	**JUNIOR VARSITY DRILL TEAM** prepares students in specific skills associated with varsity dance team. Students will have the opportunity to perform at a variety of venues. Junior Varsity Drill team requires attendance at summer camps and summer practices. ***Students will receive a full fine arts credit and full PE credit. Student will receive PE credits for the first year only.***
VARSITY DRILL TEAM Grade Placement: 9-12 Course #: Level I-0630; Level II-0631; Level III-0632; Level IV- 0633 All course numbers Level: I Prerequisite: Audition Credit: 1 unit fine arts; 1 unit PE for the first year.	**VARSITY DRILL TEAM** is a precision performing group. Performance may include athletic events, competitions, community events, and stage shows. ***Students will receive a full fine arts credit and full PE credit the first year in this program. Each subsequent year, in this program, students will receive elective credit for up to a maximum of 4 credits in dance.***
STUDIO DANCE I Grade Placement: 9-12 Course #: 0654 Level: I Prerequisite: None Credit: 1 unit	**STUDIO DANCE I** Students will acquire vocabulary and skills in ballet, jazz, modern, tap, hip hop and other genres. Dance history, choreography and performance skills will be introduced. ***This course will be counted as fine arts credit.*** ***Students who want to earn PE credit may want to consider the course Aerobic Dance located on p. 103.***
STUDIO DANCE II-IV Grade Placement: 10-12 Course #: Level II-0655; Level III-0656; Level IV- 0657 All course numbers Level: I Prerequisite: Instructor approval or Studio Dance I Credit: 1 unit	**STUDIO DANCE II-IV** is a continuation of Dance I using advanced skills and concepts. Class size will be limited. ***This course will be counted as an elective credit.***
TECHNICAL DANCE I-IV Grade Placement: 9-12 Course #: Level I -0661; Level II-0662; Level III-0663; Level IV-0664 All course numbers Level: I Prerequisite: audition Credit: 1 unit	**TECHNICAL DANCE I-IV** is focused on the advanced dancer. An emphasis will be placed on style, technique and choreography. This class will also allow students to explore and prepare for different avenues of dance performance beyond high school. Class size will be limited. ***This course can be counted as fine arts credit for first year and elective credit for each subsequent year.***
DANCE PERFORMANCE ENSEMBLE Grade Level: 10-12 Course #: Level II-0658; Level III-0659; Level IV - 0660 All course numbers Level: I Prerequisite: Dance Team and instructor approval Concurrent enrollment: Varsity drill team Credit: 1 unit (elective only)	**Dance Performance Ensemble** is an intense interdisciplinary program that combines performance elements such as dance, music, costume, and theatrical design with performance opportunities for small dance ensembles. ***This course will not fulfill your fine arts requirement for graduation. This course will count as a state approved elective because fine arts is satisfied in concurrent enrollment in varsity drill team.***

PHYSICAL EDUCATION

In physical education courses students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity and access to an active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical activity and health throughout the lifespan.

Physical Fitness Assessment – Fitnessgram
In the 82nd Legislative 2011, HB 400 was passed as a part of SB 8, limiting a school district's required annual physical fitness assessment to students in grade three or higher who are enrolled in a course that satisfies the curriculum requirements for physical education, including substitutions, equivalents and waivers. The Fitnessgram assessment instrument will contain criterion-referenced standards specific to a student's age and gender based on the physical fitness level required for good health. Good health components will include an aerobic capacity, body composition, muscular strength, muscular endurance and a flexibility assessment.

FOUNDATIONS OF PERSONAL FITNESS Grade Placement: 10-12 Course #: 14321 Level: I Prerequisite: none Credit: .5 unit	**FOUNDATIONS OF PERSONAL FITNESS** is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught include the process of becoming fit, as well as achieving some degree of fitness. The concept of wellness or striving to reach optimal levels of health is the cornerstone of this course and is exemplified by one of the course objectives: students designing their own personal fitness program. Target areas of study are: understanding the principles of physical fitness, flexibility, muscle fitness, cardiovascular fitness, aerobic activity and nutrition. ***This course may only be taken one time.***
ADVENTURE/OUTDOOR EDUCATION Grade Placement: 10-12 Course #: 14311 Level: I Prerequisite: none Credit: .5 unit	**ADVENTURE/OUTDOOR EDUCATION** develops competencies in outdoor educational activities that provide opportunities that are enjoyable as well as challenging. Outdoor education learning takes place both indoors and outdoors to enable students and teachers to interact in an environment free from the limitations of the classroom. Activities include adventure education, camping, fishing, orienteering and swimming. First aid (CPR certification), boater safety and some aspects of outdoor recreation. ***This course may only be taken one time.***
AEROBIC ACTIVITIES Grade Placement: 10-12 Course #: 14271 Level: I Prerequisite: none Credit: .5 unit	**AEROBIC ACTIVITIES** introduces students to a variety of fitness activities designed for a lifetime of physical fitness by emphasizing muscular endurance training for the upper body, lower body and abdominals. Students will learn flexibility exercises, understand and demonstrate the proper techniques of taking a pulse and calculations of maximum heart rate, use of dumbbells, soft weights, tubing, steps, small medicine balls, stability balls and body resistance to challenge every major muscle group in the body. Varieties of cardiovascular exercise will be learned to round out the aerobic training. ***This course may only be taken one time***.
INDIVIDUAL SPORTS Grade Placement: 10-12 Course #: 14291 Level: I Prerequisite: none Credit: .5 unit	**INDIVIDUAL SPORTS** motivates students to strive for lifetime personal fitness with an emphasis on individual sports, skills and positive social interaction during activities. Students will learn fundamental skills, basic strategies and knowledge of rules and playing courtesies developed for selected individual sports. This class will focus on individual sports activities such as, but not limited to, badminton, tennis, ping-pong, horseshoes, bocce ball and other traditional individual sports skills. ***This course may only be taken one time.***

TEAM SPORTS Grade Placement: 10-12 Course #: 14281 Level: I Prerequisite: none Credit: .5 unit	**TEAM SPORTS** students will participate in a variety of team sports that will help develop and maintain a high level of fitness. Students will learn fundamental skills, basic strategies, knowledge of rules and playing courtesies developed for selected team sports. Social development will also be an important part of the class. Activities will include ultimate Frisbee, pickle ball, team handball, kickball, Whiffle ball, soccer, softball, basketball, football and more. ***This course may only be taken one time***.
PARTNERS PHYSICAL EDUCATION Grade Placement: 10-12 Course #: 14261 Level: I Course#: 14262 Level: I Grade Placement: 9 Course#90610 Level:I Prerequisite: application and interview Credit: .5 unit or 1 unit Note: Students that wish to continue in Partners PE should discuss options with their counselors	**PARTNERS PHYSICAL EDUCATION** is a success-oriented physical-education program featuring supervised peer tutors and individualized learning and instruction. Through a variety of physical fitness activities, all students will learn to appreciate physical fitness. This course addresses the unique physical education needs of students in a setting that allows for positive interaction with peers. Students must work with their special buddy, be encouraging at all times and dress appropriately for activities. ***All students will be involved in Special Olympics activities throughout the year. Students must apply for this course.***
AEROBIC DANCE Grade Placement 10-12 Course # 0653 Level: I Grade Placement: 9 Course#90599 Level: I Prerequisite: None Credit: 1 Unit	**AEROBIC DANCE** is designed for students with a desire to learn about dance as a means of fitness and as an art. Students are introduced to all basic dance principles and fitness education by way of the conditioning and movement of dance. This class requires specific attire and may require one out of school performance. ***Students will not get a Fine Arts credit for this course.***
FUNCTIONAL FITNESS II Grade Placement 10-12 Course # 17001 Level: I Prerequisite: 2 semesters of physical education or equivalent credit Credit: 1 unit	**FUNCTIONAL FITNESS II** is an elective course. This TEA-Approved Innovative Course is designed for students who enjoyed their PE classes and wish to continue their fitness journey. This course asks students to build upon skills learned in previous courses, moving beyond body weight activities and basics in weight-lifting and gymnastics. Class sizes are smaller, permitting the coach to provide direct one-on-one instruction while pushing towards higher goals. Workouts are all measurable, scalable and performed within a specified time domain. ***This course does not satisfy the PE requirement and will award elective credit only.***
PRINCIPLES OF EXERCISE AND SCIENCE WELLNESS Grade Placement: 9 Course: 90611 Level: I Prerequisite: none Credit: 1 unit	**PRINCIPLES OF EXERCISE AND SCIENCE WELLNESS.** This course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness in various activities. ***This course may only be taken one time.***
LIFETIME RECREATION AND OUTDOOR PURSUITS Grade Placement: 9 Course: 90612 Level: I Prerequisite: none Credit: 1 unit	**LIFETIME RECREATION AND OUTDOOR PURSUITS.** This course is experiential learning in, for, and about the outdoors. Most often, it is used to refer to a range of organized activities that emphasize teamwork, resilience, environmental education and/or responsible outdoor recreation. ***This course may only be taken one time.***
LIFETIME FITNESS AND WELLNESS PURSUITS Grade Placement: 9 Course: 90613 Level: I Prerequisite: none Credit: 1 unit	**LIFETIME FITNESS AND WELLNESS PURSUITS.** This course offers current approached for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in this course will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness. ***This course may only be taken one time.***

PHYSICAL EDUCATION SUBSTITUTIONS:

MISD students are allowed, under Board Policy, to substitute certain physical activities for the 1.0 required units of physical education. Such a substitute shall be based on the physical activity involved in:

1. *Drill Team – 1 full credit for year 1
2. *Cheerleading
3. *Marching Band - .5 credit fall semester year 1 and year 2
4. Color Guard - .5 credit fall semester year 1 and year 2
5. Athletics
6. Off-Campus PE (see p. 104)
7. *JROTC

*Note – Students may be enrolled in one of these courses simultaneously with an athletic class but will not receive an additional PE credit. See additional information under the Athletic section on p. 105.

OFF CAMPUS PE

State credit shall be awarded for physical education for appropriate private or commercially sponsored physical activity programs conducted either on or off-campus upon approval of district administration. Students may not transfer from Athletics into Off Campus PE at any time during the school year.

Such approval may be granted under the following conditions:

A. Olympic-level participation and/or competition that includes a minimum of 15 hours per week of highly intensive professional, supervised training. The training facility, instructors, and the activities involved in the program must be certified by the superintendent to be of exceptional quality. Students qualifying and participating at this level may be dismissed from school one hour per day.
B. Private or commercially sponsored physical activities that include those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least 5 hours per week is required. Students certified to participate at this level, MAY NOT be dismissed from any part of the regular day.
C. The activity must be one that McKinney ISD does not offer at the specific level requested.

The student must participate a minimum of four days during the week (Monday through Friday) plus an additional day that may fall on either the weekend or during the week. Participation must always be under the direct supervision of the instructor. ***No off-campus program will be allowed if located more than 25 miles from the McKinney ISD Administration Building***

Off-Campus PE: Course#: Year One: 90615 Year Two: 14333 & 14334 Year Three: 14335 & 14336 Year Four: 14337 & 14338 Level: Not included in GPA Prerequisite: Application each year Credit: 1 PE unit 1st year; 2nd year and after receive elective credit Fee required	**Off-Campus PE** The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop capabilities and to allow those students to be involved in a program that provides training exceeding that offered in the school district. The student taking this course for physical education credit may NOT be enrolled in another physical education class or athletics while participating in the Off-Campus Physical Education Program. A maximum of 4 credits can be earned towards state high school graduation requirements. A student interested in this program should contact his/her campus counselor for application and guidelines concerning off-campus physical education. **The grade earned will appear on the transcript and award state credit but will not be included in the GPA.**

HEALTH

HEALTH Grade Placement: 9-12 Course #: 0760 Prerequisite: none Credit: .5 unit	**HEALTH** is a district-required course for graduation. Students learn health concepts recommended for comprehensive health instruction. This semester course includes instruction in mental health, family and social health, the life cycle, body systems, personal health and physical fitness, nutrition, medicines and drugs, diseases and disorders, community and environmental health, consumer health and safety and emergency care.

ATHLETICS

Athletics is intended for students interested in playing competitive sports. Athletic participation is a privilege, not a right, and student athletes are held to a higher standard of conduct. Any questions concerning participation should be addressed to the specific coach or campus athletic coordinator.

NOTE: UIL rules specifically prohibit students from being enrolled in more than one physical education and/or athletic class; Exception: PE Class: Adventure/Outdoor Education; PE Substitute: JROTC, Cheerleading, Drill Team, Marching Band.

The following sports are available at the high school level:

Baseball	Basketball	Cross Country	Diving
Football	Golf	Powerlifting	Soccer
Softball	Swimming	Tennis	Track and Field
Volleyball	Wrestling		

Students should request the specific sport they wish to play rather than "Athletics." Most sports are offered as year long courses. Students that wish to participate in more than one sport must contact the coach of each sport to discuss the request. Students must have a period of Athletics on their schedule in order to participate.

Grade Placement: 9-12 Course Numbers: see counselor Level: I Prerequisite: coach's approval and/or tryout process Credit: .5 unit state physical education credit per semester (up to a maximum of 4 credits)	• **Students participating in McKinney ISD athletics are REQUIRED to have a yearly physical and complete all appropriate paperwork prior to participation in tryouts, practices, and games.** • Physicals must be dated on or after April 1, 2023 for participation in athletics for the 2023-2024 school year. Physicals must be completed on the official UIL physical form. MISD athletics will provide three opportunities for students to receive a physical at a cost of $20 in April and May. Student athletes meeting all of the free or reduced lunch requirements will be given the opportunity to receive a physical for free or at a reduced rate. • **Athletes must be able to attend practices and games before school, after school, and Saturdays.** • All students involved in extracurricular activities are required to be involved in the MISD Random Student Drug Testing Program. All students involved in extracurricular activities follow co-curricular guidelines that hold students to a higher standard regarding personal conduct. • According to UIL rules, student athletes must maintain a 70 average in all of their classes to remain eligible for competition. See p. 22 for more information. • This information is subject to change based on health guidance.
CHEERLEADING Grade Level: 9-12 Course #: 916200 14235 &14236 14237 & 14238 14239 & 14240 All course numbers Level: I Prerequisite: tryout and instructor approval	**CHEERLEADING** will emphasize curricular and extra curricular activities by promoting school spirit. Cheerleaders are involved in summer camps, pep rallies, games, community events and competitions. Membership is obtained through a tryout process. ***Students participating in McKinney ISD cheerleading are REQUIRED to have a yearly physical and complete all appropriate paperwork prior to participation in tryouts, practices, and games. Cheerleaders must be able to attend practices and games before school, after school, and weekends. Students may receive PE credit for this course.***

COLLIN COLLEGE TECHNICAL COHORT

The Collin College technical cohort program is designed to provide an incredible opportunity for students preparing for a career in a technical field.

Students that participate in this cohort program are expected to make a commitment to take at least two courses at the technical campus each semester of BOTH the junior and senior year of high school.

After high school graduation, students will have an opportunity to complete an Associates of Applied Science (A.A.S.) within one additional year of study.

This cohort program is distinct from our standard dual credit options detailed on p. 19-20 of this document in several ways:

- Participation is based on course availability, college application, and counselor approval. Candidates will be expected to have passion for the career field, good attendance and capacity to commit to the cohort model. Previous experience or skills are not required.
- Starting on January 9 students may access application materials at www.tinyurl.com/misdapps
    - Students will be required to attend an information meeting to discuss the specific details of the program in March.
    - Enrollment is limited for these courses. Students that meet the application criteria will be added to a pool of eligible students and then enrollment will proceed by lottery. A waiting list will be established for additional enrollment if spaces become available.

□ Participants will attend classes at the state of the art Collin Technical Campus located at: 2550 Bending Branch Way, Allen, Texas 75013 (off 121 and Alma) and will be required to provide their own transportation.

- Students will be responsible for all tuition and fees. In addition, students will be required to provide personal protective equipment (such as protective eye goggles or steel toed shoes). Students will have access to state of the art tools and equipment on the technical campus site.
- Depending on the cohort selected, students may be required to report earlier in the day or stay later in the day to meet the program requirements.
- It is possible to take additional dual credit coursework from our standard dual credit offerings if desired. See page 19-20 for more information.
- For more information visit: https://www.collin.edu/campuses/technical/

Courses will be offered in the following high-demand career fields:

- Biomedical Equipment Technology
- Industrial Automation
- Electronic Engineering Technology
- Computer-Aided Drafting and Design (CADD)
- Construction Management
- Heating, Ventilation and Air Conditioning (HVAC)
- Welding Technology
- Computer Networking
- IT Security
- Automotive Service Technician
- Collision Repair
- Real Estate
- Culinary Arts

Note to Seniors: While this program is designed to be taken during the junior and senior year of high school, it is possible to apply as a senior and complete the first year of the program prior to graduation. Students in this scenario would complete any remaining hours towards certifications or degrees after graduation.

Review the Information Flyer for Each Program On the Following Pages:

COLLIN COLLEGE

The need for a technical campus in Collin County

- A new pipeline of workers is needed to fill occupations that are expected to grow by 20 percent or more.
- Collin College's comprehensive master plan calls for developing programs to train future employees for high- need, high-growth and high-wage occupations in North Texas.
- Industries like construction, advanced manufacturing, HVAC, automotive service technician, collision repair, and health care are booming in Collin County.
- Students will be educated for careers and can graduate without incurring high student loan debt.
- Strategic partnerships with local school districts will expand dual credit and career and technology education programs without duplicate costs.
- High school students will be able to enroll in dual credit CTE programs and graduate with industry-recognized certifications and college credits toward an associate of applied science degree.

High Demand Programs at the Technical Campus

- Advanced Manufacturing – Biomedical Equipment Technology, Electronic Engineering Technology, and Industrial Automation
- Architecture and Construction – Computer-Aided Drafting and Design, Construction Management, HVAC, and Welding Technology
- Health Sciences – Health Professions: Certified Nurse Aide, Electrocardiograph Technician, Patient Care Technician ,and Phlebotomy Technician
- Science, Technology, Engineering and Math – Information Technology Cybersecurity and Computer Networking
- Logistics and Transportation – Automotive Service Technician and Collision Repair

For more information, email technicalcampus@collin.edu.

COLLIN COLLEGE TECHNICAL CAMPUS

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Published 8/13/2019. For the latest information, visit http://www.collin.edu/campuses/technical.

COLLIN COLLEGE

Automotive Technology

Today's automotive service technicians provide reliable repair and service solutions using the latest technology to diagnose and repair vehicles of all kinds. With the population growth expected in Collin County, the demand for qualified technicians at repair shops, service centers, and car dealerships will increase as well. If you are looking for an in-demand job that lets you work with the latest technology and automotive trends, an Automotive Technology degree is the right choice for you.

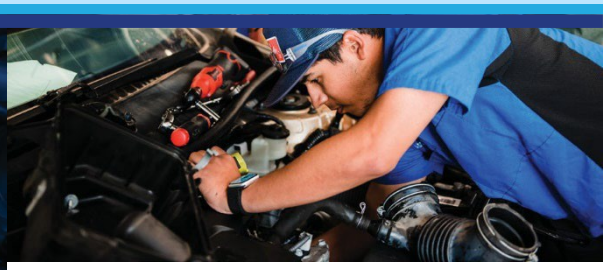
Careers in Automotive Technology

Automotive Service Technician and Mechanics

Average Salary: $50,300

Job Growth: 18.6%

Data for Collin County obtained from Jobs EQ and O*Net
Note: Average salary for occupation as of 2020 and job growth projected from 2021- 2028



About Collin College's Program

The Automotive Technology program is designed to prepare skilled technicians for high-skill, high-demand positions in the automotive service industry. Completers will have opportunities in: dealerships; large tire, lube, and repair chains; and independent shops. In addition to earning marketable skills, stackable certificates, and/or an associates degree, students can earn industry–recognized Automotive Service Excellence (ASE) certifications qualifying them for Maintenance and Light Repair (MLR) or Automotive Service Technician (AST) designations.

Choose Your Education

Associate of Applied Science
(60 credit hours)

Level 1 Certificates

Express Maintenance Technician
(15 credit hours)

Maintenance and Light Repair Technician
(24 credit hours)

Level 2 Certificate

Automotive Service Technician
(45 credit hours)

Note: Certificate structure effective Fall 2022

Contact Information

Michael Coffman
Dean, Academic Affairs/Workforce
mcoffman@collin.edu

Sean Boyll
Professor
sboyll@collin.edu

For Technical Campus info, email
technicalcampus@ collin.edu.

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Published 4/6/2021. Information is subject to change.
For the latest version, visit www.collin.edu/academics/info/.
15187-22PB

Biomedical Equipment Technology

Modern medicine runs on technology and someone has to keep that technology in top working order.
Graduates of Collin College's Biomedical Equipment Technology program have the training and experience to ensure lifesaving medical technology is in top working order. This career is perfect for people with an interest in the growing health care field but who do not want to work with patients. Top employers include hospitals, medical offices, and large clinics which provide tests for patients.

Careers in Biomedical Equipment Technology

Medical Equipment Repairers
Average Salary: $55,300
Job Growth: 21.6%

Other careers include engineering, sales, or service for equipment manufacturers.

*Data for Collin County obtained from JobsEQ and O*Net*
Note: Average salary for occupation as of 2020 and job growth projected from 2021-2028.

About Collin College's Program

The Biomedical Equipment Technology degree program at Collin College provides entry-level employment training for students interested in careers in the biomedical equipment industry. The program includes 15 hours of general education courses and 45 hours of courses directly applicable to Biomedical Equipment Technology.

Available Degree

Associate of Applied Science
(60 credit hours)

Contact Information

Tripat Baweja
Director of Engineering Tech Programs
tbaweja@collin.edu

Carlos Contreras
Career Coach
CarlosContreras@collin.edu

For Technical Campus info, email
technicalcampus@collin.edu

Learn more at
www.collin.edu/department/engineering/.

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For the latest version, visit www.collin.edu/academics/info/.

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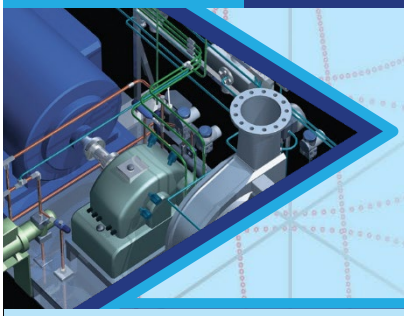
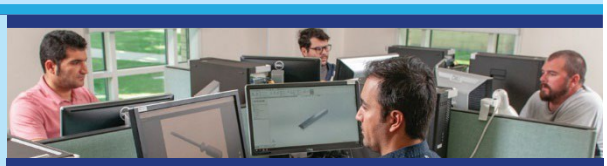
Computer-Aided Drafting and Design (CADD)



Develop the blueprint for your future. As a Computer-Aided Drafting and Design professional you will use specialized software to create blueprints, plans, or schematics showing how a structure should be created. Use your skills in aeronautics, civil engineering, architecture, process pipelines, mechanics, or electronics fields.

CADD Program

High-tech industries are continually creating new career opportunities in exciting, highly-specialized fields. A degree in Computer-Aided Drafting and Design (CADD) can provide you with both an educational foundation in CADD and insight into current industry practices. Get hands-on training and learn the skills a designer, CADD operator, architect, or engineer needs for a successful career.



Develop a Plan for Your Future

Computer-Aided Drafting and Design Associate of Applied Science
(60 credit hours)

Occupational Skills Award in AutoCAD
(9 credit hours)

Level 1 Certificates

Computer-Aided Drafting and Design
(18 credit hours)

Advanced Computer-Aided Drafting and Design
(24 credit hours)

To see certificate options, visit
www.collin.edu/department/cadd/index.html

Information

Craig Johnson
Director of Architecture/Construction Programs
cajohnson@collin.edu

Kate Smith
Career Coach
cmsmith@collin.edu

For Technical Campus info, email
technicalcampus@collin.edu

Computer-Aided Drafting and Design

www.collin.edu/department/cadd/index.html
www.collin.edu/academics/programs/CADD_1Overview.html

After completion of the Computer-Aided Drafting and Design certificate students are eligible to take the Autodesk certification exams

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Published 2/6/2020. Information is subject to change.
For the latest version, visit http://www.collin.edu/academics/info/.

13139-20PB

Drafters

Average Salary: $57,400
15% growth

Data obtained from JobsEQ (Collin County), O*NET, and Workforce Solutions of North Central Texas
Note: Job growth projected from 2019-2025
Note: The earning potential for employees with certifications and associate of applied science degrees may exceed the average salary

COLLIN COLLEGE

Computer Networking

Digital communication is the backbone of modern society. You can be one of the professionals who assures information is accessible and secure with a degree or certificate in computer networking from Collin College.

Computer Networking Program

Collin College's computer networking program prepares graduates to design and install secure network systems based on customer requirements, monitor and maintain network traffic and security, and maintain network hardware and software. Learn teamwork and critical-thinking skills through hands-on activities and network simulations. Gain the practical knowledge you need to be successful in a wide range of industries.

Choose your degree track:

Infrastructure - design and install secure network systems with a focus on managing network devices

Systems - manage server systems

Integrated Networking Technologies - design and secure network systems with a focus on cloud storage and virtualization networking technologies

Wireless - design, maintain, and secure the wireless access that has become the industry standard

Coursework includes preparation for:

- CompTIA Certifications
- Cisco Certifications
- Microsoft Certifications

Networking Opens Doors

AAS – Computer Networking – Infrastructure Track

AAS – Computer Networking – Systems Track

AAS – Computer Networking – Integrated Networking Technologies Track

AAS – Computer Networking – Wireless Track

60 credit hours (each)

To see certificate options, visit https://www.collin.edu/academics/programs/CNET_1Overview.html

Network and Computer Systems Administrators

Average Salary: $92,800

Job Growth: 21%

Computer Network Support Specialists

Average Salary: $80,200

Job Growth: 21%

Data obtained from JobsEQ (Collin County), O*NET, and Workforce Solutions of North Central Texas
Note: Job growth projected from 2019-2025
Note: The earning potential for employees with certifications and associate of applied science degrees may exceed the average salary

Computer Networking

www.collin.edu/department/computernetworking/

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**Published 11/9/2021. Information is subject to change.
For the latest version, visit www.collin.edu/academics/info/.**

14721-22PB

Construction Management

Build a better tomorrow and be a leader

in one of the fastest growing industries in Collin County with a degree in construction management from Collin College. Construction management blends the skill sets of architecture, business, and engineering, and teaches you how to manage those processes from a business perspective. Management topics include budgeting, scheduling, quality assurance, and safety.

Careers in Construction Management

Construction Managers
Average Salary: $102,400
Job Growth: 22%

Data for Collin County obtained from JobsEQ and O*Net

Note: Average salary for occupation as of 2018 and job growth projected from 2019-2026

About Collin College's Program

Collin County is one of the fastest growing counties in the nation with prolific construction projects in both residential and commercial properties. Collin College's Construction Management program prepares students to work in a wide variety of management/supervisory positions, both in residential and commercial areas of construction. Many of the Construction Management courses include labs and the program provides for a summer cooperative education experience.

Choose Your Education

Associate of Applied Science
(60 credit hours)

Occupational Skills Award in Construction
(12 credit hours)

Certificate Level 1
(30 credit hours)

Certificate Level 2
(45 credit hours)

Learn more at

www.collin.edu/academics/programs/CNST_1Overview.html

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Published 11/3/2021. Information is subject to change.
For the latest version, visit www.collin.edu/academics/info.
14102-21PB

All classes are taught in English.

Contact Information

Craig Johnson
Director of Architecture/Construction Programs
cajohnson@collin.edu

Kate Smith
Career Coach
cmsmith@collin.edu

For Technical Campus info, email
technicalcampus@collin.edu

COLLIN COLLEGE

Culinary and Pastry Arts

Find your culinary voice

Make food your life with a certificate or degree from Collin College's Culinary and Pastry Arts programs. You'll build the core skills used by every professional chef, and you'll have a deeper appreciation for food as culture, art, and as a lifelong career.

Careers in the Culinary Arts

Chef

Average salary: $58,500 | 21.9% Growth

Other careers include caterer, food stylist, personal chef, and restaurant management.

*Note: Data for Collin County obtained from JobsEQ and O*Net. Average salary is as of 2019 and job growth is projected from 2019-2026. The earning potential for employees with certifications and Associate of Applied Science degrees may exceed the average salary.*

About Collin College's Programs

As part of the college's Institute of Hospitality and Culinary Education (IHCE), the culinary and pastry programs emphasize a broad selection of hands-on food preparation and core skills that will allow you to be effective in a commercial kitchen environment. The curriculum is designed by industry experts and taught by experienced professionals, and the programs are fully accredited by the American Culinary Federation Education Foundation.

Choose Your Education

Culinary Arts

Associate of Applied Science – Culinary Arts
(60 credit hours)

Certificate Level 1 – Culinary Arts
(24 credit hours)

Certificate Level 3 – ESC – Advanced Culinary Arts
(12 credit hours)

Pastry Arts

Associate of Applied Science – Pastry Arts
(60 credit hours)

Certificate Level 1 – Pastry Arts
(24 credit hours)

Certificate Level 3 – ESC – Advanced Pastry Arts
(12 credit hours)

Learn more at
www.collin.edu/department/ihce/.

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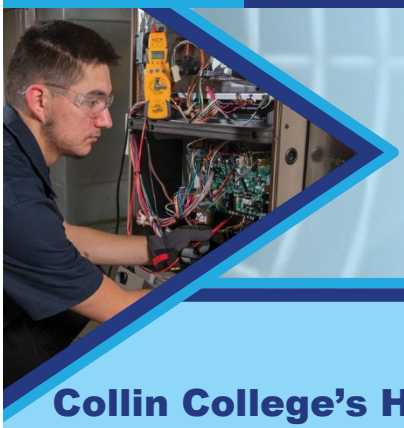
Published 11/12/2020. Information is subject to change.

14724-22PB

COLLIN COLLEGE

Heating, Ventilation, and AirConditioning (HVAC)



Looking for a new in-demand career that offers a secure future with a great salary? Want to work for a company or own your own business? Love to fix things and work on machines? Want an opportunity to use your hands and work outside as well as indoors? Heating, Ventilation, Air Conditioning (HVAC) may be the perfect job field for you.

Collin College's HVAC Program

Learn to work in the residential HVAC industry installing and servicing air conditioning units, gas and electric furnaces and heat pump systems. Collin College's program offers you the opportunity to gain hands-on experience as you earn certificates and work toward your associate degree.

Learn about Environmental Protection Agency guidelines and standards that apply to the HVAC industry. Identify and use HVAC equipment, components, and tools while learning about their functions within the industry. Master common mechanical, electrical, and electronic components such as compressors, switches, thermostats, motors, and fans. Practice all of the techniques you learn with heat pumps, heating units, a/c units, refrigeration units and more with hands-on instruction in Collin College facilities.

Coursework includes preparation for:

- EPA 608 Federal Exam Certification
- 410A Safety Certification
- Air Quality (or Green) Certification
- EPA 609 Automotive Certification
- Preventive Maintenance (PM) Certification
- State of Texas Registered Technician

Collin College HVAC courses are academic credit courses. This makes them eligible for financial aid and military benefits, as well as the Texas Workforce Commission programs.

Choose a Cool Career

Associate of Applied Science - HVAC
(60 credit hours)
Certificate Level 1 -
HVAC Entry Certification
(16 credit hours)

Certificate Level 1 -
HVAC Residential Servicing Certification
(30 hours)

Certificate Level 2 -
HVAC Commercial Servicing Certification
(45 credit hours)

Heating, Ventilation & Air Conditioning (HVAC)

Average Salary: $49,000

Job Growth: 22.3%

Note: Data for Collin County obtained from JobsEQ and O*Net. Average salary is as of 2020 and job growth is projected from 2021-2028. The earning potential for employees with certifications and associate of applied science degrees may exceed the average salary.

Contact Information

Brian Sanders
Director of HVAC/Welding
bsanders@collin.edu

Sean Sweeden
Career Coach
ssweeden@collin.edu

For Technical Campus info, email
technicalcampus@ collin.edu.

HVAC

www.collin.edu/department/hvac/hvac.html

Collin College is an equal opportunity institution and provides educational and employment opportunities without discrimination on any basis protected by applicable law.

Published 3/18/2022. Information is subject to change.
For the latest version, visit www.collin.edu/academics/info/.

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COLLIN COLLEGE

Information Systems Cybersecurity

Cybercrime is on the rise and can impact every business and industry. Are you ready to be part of the solution? Do you have the latest certificates and skills to keep pace with ever-evolving technology? Keep important information safe and secure your future with an associate degree in cybersecurity.

Collin College Information Systems Cybersecurity Associate Degree Program

Our cybersecurity program will prepare you for a career in cybersecurity management and support with an education in network management, system administration, technical support, hardware/software installation, and equipment repair. Learn about computers and technology devices and how they operate. Gain skills in computer networking and discover how to protect devices using cybersecurity concepts. As a graduate with an Associate of Applied Science, you will be able to design and install secure network systems based on customer requirements, monitor and maintain network traffic and security, and maintain network hardware and software.

Coursework includes preparation for:

- CompTIA Certifications
- EC-Council Certifications
- (ISC)2 Certifications

Secure your future

Information Systems Cybersecurity
Associate of Applied Science
(60 credit hours)

Certificate Level 1 – CISSP Information Systems Cybersecurity Professional
(17 credit hours)

Certificate Level 1 – Information Systems Cybersecurity
(33-35 credit hours)

Certificate Level 1 – Cybersecurity Infrastructure Technician
(21 credit hours)

Information Security Analyst

Average Salary: $110,900
Job Growth: 40%

Data obtained from JobsEQ (Collin County), O*NET, and Workforce Solutions of North Central Texas
Note: Job growth projected from 2019-2025
Note: The earning potential for employees with certifications and associate of applied science degrees may exceed the average salary

Contact Information
gocyber@collin.edu

Information Systems Cybersecurity
www.collin.edu/department/cybersecurity/index.html

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For the latest version, visit www.collin.edu/academics/info/.

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Continue your education at Collin College. Earn a Bachelor of Applied Technology degree in Cybersecurity.

Students must earn a two-year degree in an information security field to enroll.

Electronic Engineering Technology

In a world full of advanced technology,

electronics engineering technicians are a critical component in keeping that tech on track. Electronics engineering technicians build, test, service, and repair electronics, including programming and designing device functions. Students in Collin College's Electronic Engineering Technology program learn about electronics types, circuit design, transistors, electrical voltage, and more so that they have the knowledge and skills to keep the world's technology running efficiently.

Careers in Electronic Engineering Technology

Electronics Engineering Technician

Average Salary: $72,700

Job Growth: 16.9%

*Data for Collin County obtained from JobsEQ and O*Net*
Note: Average salary for occupation as of 2020 and job growth projected from 2021-2028

About Collin College's Program

Collin College's Electronic Engineering Technology program curriculum and laboratory equipment have been formally evaluated and endorsed by an advisory committee consisting of members of the electronics industry, so you can be sure you are learning the skills you will need to get a job once you graduate college. Theory and hands-on laboratory design and analysis experiments are emphasized in the classroom.

Choose Your Education

Associate of Applied Science
(60 credit hours)

Certificate Level 1
(34 credit hours)

Contact Information

Tripat Baweja
Director of Engineering Tech Programs
tbaweja@collin.edu

Carlos Contreras
Career Coach
CarlosContreras@collin.edu

For Technical Campus info, email
technicalcampus@collin.edu

Learn more at
www.collin.edu/department/engineering/

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15162-22PB

Real Estate Management

Find your dream career in Real Estate. The buying, selling, leasing, and management of real estate is fundamental to all residential, commercial, and agricultural activity in the United States. Licensed real estate professionals can use their entrepreneurial drive to create a thriving business. Some graduates pursue careers as professional real estate investors. Their knowledge can also be applied in full-time positions within corporations, non-profit organizations, or governmental agencies as in-house real estate experts.

About Collin College's Program

The Real Estate Management Associate of Applied Science degree and Real Estate Salesperson certificate are designed to prepare students for careers as real estate professionals. In as little as one semester, students can acquire the education necessary to obtain a Texas real estate license and begin a new career. Students will have the opportunity to work with highly-qualified faculty with a wide variety of backgrounds in the real estate industry.

Program Features

All courses taken for the Real Estate Salesperson certificate also apply to the Associate of Applied Science (AAS) degree. A Real Estate Salesperson certificate qualifies you to take the real estate license exam from the Texas Real Estate Commission to obtain a Sales Agent license. The AAS degree in Real Estate Management from Collin College provides the additional education necessary to obtain a Real Estate Broker license or pursue a bachelor's degree.

Choose Your Education

Associate of Applied Science
Real Estate Management
(60 credit hours)

Certificate Level 1
Real Estate Salesperson
(18 credit hours)

Career Outlook

Real Estate Agent
Average salary: $79,000
21.2% growth

Real Estate Broker
Average Salary: $83,900
21.1% growth

Real Estate Manager
Average Salary: $83,800
21.5% growth

Learn more at
www.collin.edu/department/realestate/

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For the latest version, visit www.collin.edu/academics/info/.

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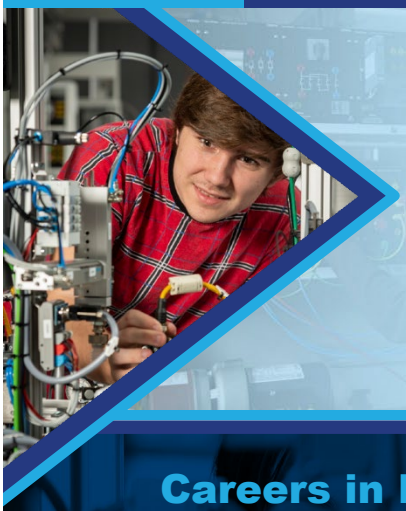
Robotics and Automation Technology



Robotics and Automation Technology* makes manufacturing more efficient by improving overall productivity. Robotics and automation technicians ensure that robots, production, and automation cells, or resources operate at peak efficiency. From cars to phones to potato chips, technicians service and test robots and automation cells to get the most out of production processes. Collin College's program prepares you to enter the field of industrial automation with high-demand skills and hands-on experience.

**Formerly known as Industrial Automation*

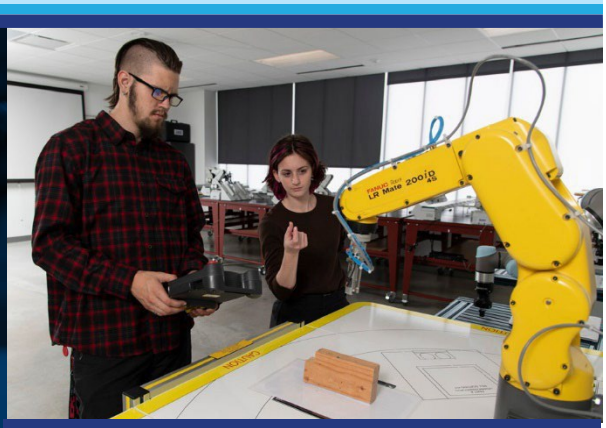
Careers in Robotics and Automation Technology

Robotics and Automation Technicians

Average Salary: $52,600

Job Growth: 18.8%

Data for Collin County obtained from JobsEQ and O*Net
Note: Average salary for occupation as of 2020 and job growth projected from 2021-2028.



Robotics and Automation Technology prepares you with the following skills and experience:

- Robot application knowledge
- Robot programming
- Machine programming skills
- PLC (Programmable Logic Controllers)
- Electrical controls for motors and drives
- Fluid power systems
- Software, mechanical, and electrical integration skills
- Mechatronics skills

Choose Your Education

Associate of Applied Science
(60 credit hours)

Level 1 Certificate
(34 credit hours)

Level 2 Certificate
(44 credit hours)

Learn more at

www.collin.edu/department/engineering/.

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For the latest version, visit www.collin.edu/academics/info/.

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Contact Information

Tripat Baweja
Director of Engineering Tech Programs
tbaweja@collin.edu

Carlos Contreras
Career Coach
CarlosContreras@collin.edu

For Technical Campus info, email
technicalcampus@collin.edu

COLLIN COLLEGE

Welding Technology

Welders bring the world together, literally.

From petroleum production and metal fabrication to the aerospace industry and new economy green manufacturing, welders are key to many industries because they have the skills to help build and repair the machines of tomorrow. Skilled welders can choose to work at Fortune 500 companies, travel to exotic locations for jobs as independent contractors, or run their own shops. Your future as a welder can begin with an education from Collin College.

Careers in Welding

Welders, Cutters, Solderers, and Brazers
Average Salary: $45,100
Job Growth: 24.4%

Data for Collin County obtained from JobsEQ and O*Net
Note: Average salary for occupation as of 2020 and job growth projected from 2021-2028

About Collin College's Program

The Welding Technology Program provides students with the skills required for entry-level welder positions, preparing them to work using multi-process welding including tungsten inert gas (TIG), metal inert gas (MIG), stick/shielded metal arc welding (SMAW), flux-core, and oxy-fuel. The program emphasizes knowledge and skills required to work with modern industrial welding equipment, and students will gain certificates upon completion of each semester.

Choose Your Education

Associate of Applied Science – Welding Technology
(60 credit hours)

Level 1 Certificate – Entry Welding Certification
(16 credit hours)

Level 1 Certificate – Gas Shielded Welding
(30 credit hours)

Level 2 Certificate – Welding Technology
(44 credit hours)

Learn more at
www.collin.edu/academics/programs/WLDG_WeldingTech_3Overview.html

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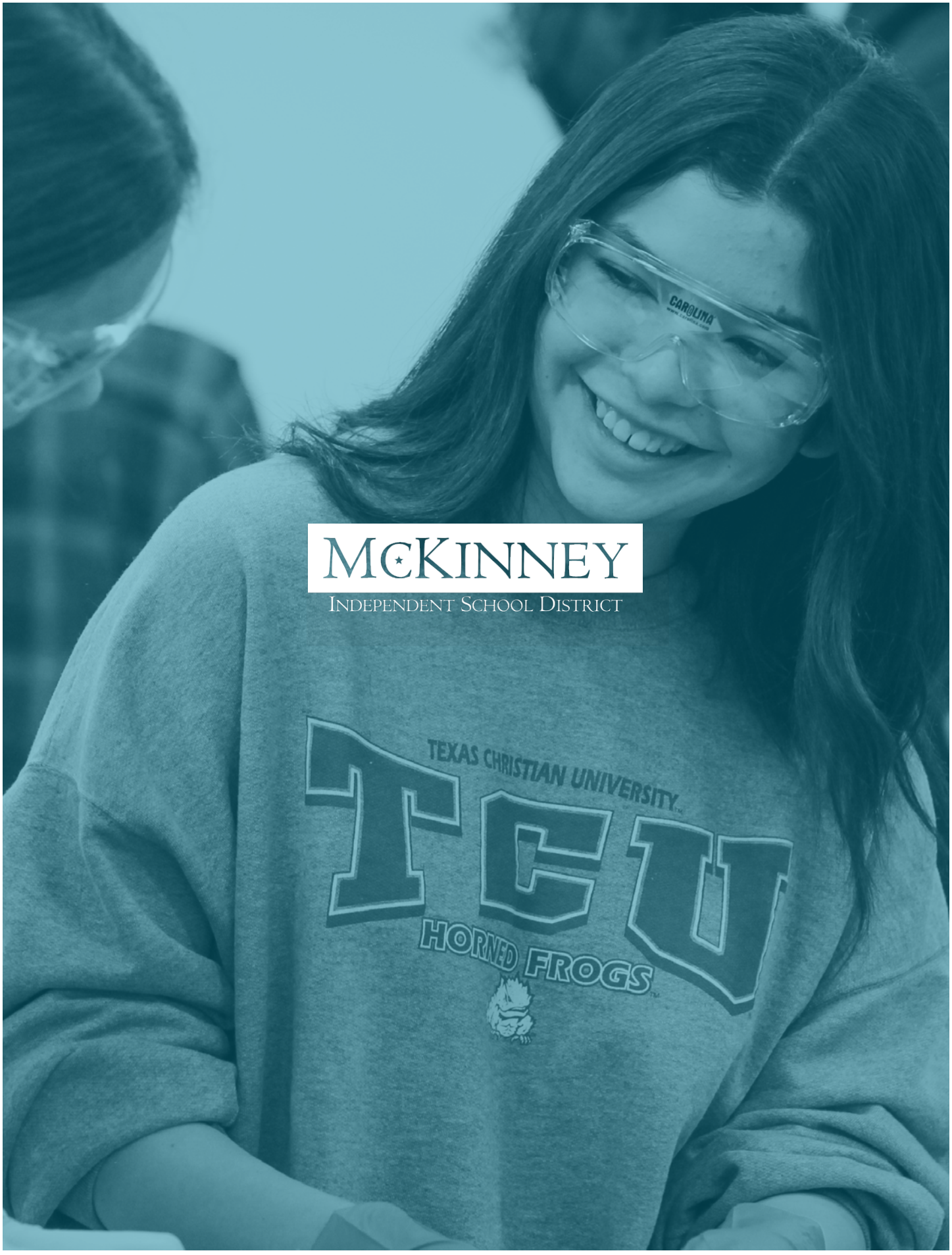
Contact Information

Brian Sanders
Director of HVAC/Welding
bsanders@collin.edu

Sean Sweeden
Career Coach
ssweeden@collin.edu

For Technical Campus info, email
technicalcampus@collin.edu



McKinney

Independent School District