

**LISD**  
**LEWISVILLE ISD**  
**HIGH SCHOOL**  
**COURSE**  
**DESCRIPTION GUIDE**  
**2018-2019**



Flower Mound High School  
 Flower Mound 9th



Hebron High School  
 Hebron 9th



Lewisville High School  
 LHS Harmon 9th/10th  
 LHS Killough 9th/10th



Marcus High School  
 Marcus 9th



The Colony High School



Career Center East



Dale Jackson Career Center



Lewisville Learning Center





# GUIDANCE AND COUNSELING

## Our Vision

*Personal Wellness ... Empowered Students ... Promising Futures*

## Our Mission

Through partnerships with students, staff, and community, counselors will foster development of self-advocacy skills, personal-social-emotional wellness, and academic-career success in a compassionate and supportive environment.

## Guidance and Counseling Goals

Counselors will:

1. Provide all students with safe, nurturing, inclusive, and flexible learning environments. *LISD Goal 1*
2. Utilize data to develop, implement, and assess comprehensive guidance and counseling programs. *LISD Goal 6*
3. Guide all students as they plan, monitor, and manage their own educational, career, and personal-social-emotional development. *LISD Goal 3*
4. Design an accountability system that reflects district, state, and national counseling ethics, standards, and expectations. *LISD Goal 7*
5. Engage the 21st century learner through the use of technological tools. *LISD Goal 2*
6. Implement curriculum which develops personal-social-emotional, career, and/or education development. *LISD Goal 3*
7. Intervene on behalf of students with immediate personal concerns or problems in the areas of personal-social-emotional, career, and /or educational development.
8. Provide system support for our diverse communities through: consultation with teachers; parent education and community partnerships; campus-based school improvement plans and goals; state and local standardized testing program; and relevant research. *LISD Goal 5*

## What We Believe

We, the LISD Guidance and Counseling Department, believe:

1. Students come first in the school counseling program.
2. All students have dignity and worth, are uniquely capable, and deserve opportunities to reach maximum potential. *LISD Core Belief 1*
3. Safe, nurturing, inclusive and flexible environments remove barriers to learning. *LISD Core Belief 2*
4. Counselors equip all students with the knowledge and skills to be college and career ready. *LISD Core Beliefs 3 and 5*
5. Data-driven guidance programs are meaningful, relevant and promote student self-advocacy and personal wellness. *LISD Core Belief 4*
6. Every member of our community shares responsibility in the education and personal development of our students. *LISD Core Belief 7*
7. Guidance and counseling programs should support the 21st century learner. *LISD Core Belief 6*



**REAL INNOVATION  
LIMITLESS OPPORTUNITY**  
LEWISVILLE INDEPENDENT SCHOOL DISTRICT

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It is the policy of Lewisville I.S.D. not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

It is the policy of Lewisville I.S.D. not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

This curriculum guide complies with all civil rights guidelines and all Federal Title IX requirements. Students are accepted into career and technical programs without regard to sex, race, color, national origin or handicapping condition.

Lewisville, I.S.D. will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.



## FOUNDATION HIGH SCHOOL PROGRAM (FHSP) REQUIREMENTS

All students in LISD are encouraged to receive the Distinguished Level of Achievement (DLA)

FOUNDATION WITH ENDORSEMENT		FOUNDATION NO ENDORSEMENT	
		This program requires administrative approval and cannot be accessed until the completion of the sophomore year.	
English Language Arts (4 credits)	English 1 English 2 English 3 English 4 (recommended) or Advanced English <sup>1</sup>	English (4 credits)	English 1 English 2 English 3 English 4 (recommended) or Advanced English
Math (4 credits)	Algebra 1 Geometry 3 <sup>rd</sup> math credit <sup>2</sup> (Algebra 2 required for DLA) 4 <sup>th</sup> math credit <sup>2</sup>	Math (3 credits)	Algebra 1 Geometry Additional Math Credit
Science (4 credits on most endorsement plans)	Biology IPC, Chemistry or Physics 3 <sup>rd</sup> Science <sup>3</sup> 4 <sup>th</sup> Science <sup>3</sup>	Science (3 credits)	Biology IPC, Chemistry or Physics 3 <sup>rd</sup> Science
Social Studies (3 credits)	World Geography OR World History <sup>4</sup> US History Government (.5) Economics (.5)	Social Studies (3 credits)	World Geography OR World History US History Government (.5) Economics (.5)
Languages Other Than English <sup>5</sup> (LOTE) (2 credits)	Two levels in the same language OR Computer Science I & II (Exceptions may apply for students with disabilities)	Languages Other Than English (LOTE) (2 credits)	Two levels in the same language OR Computer Science I & II (Exceptions may apply for students with disabilities)
Physical Education <sup>6</sup> (1 credit)		Physical Education (1 credit)	
Fine Arts <sup>7</sup> (1 credit)		Fine Arts (1 credit)	
Electives/Endorsements (7 credits)		Electives (5 credits)	
26 CREDITS TOTAL		22 CREDITS TOTAL	

### DISTINGUISHED LEVEL OF ACHIEVEMENT (DLA)

The DLA allows students to be eligible for the Top 10% Automatic Admission at Texas Public Universities.

DLA requires:

- 4 credits in math, including Algebra 2
- 4 credits in science; and
- Successful completion of an endorsement

**1 Advanced English** - See complete list of courses which qualify as an Advanced English. Advanced English requirements vary based on Endorsement selected.

**2 3rd and 4th Math** Requirements vary based on the Endorsement selected.

**3 3rd and 4th Science** Requirements vary based on the Endorsement selected.

**4 Social Studies** - FHSP does not require both W. Geography and W. History for graduation. Students are encouraged to take both W. Geography and W. History in LISD.

**5 LOTE** - Students with disabilities may be able to take other academic courses as a substitute for this requirement as deemed appropriate by the ARD/504 committee.

**6 PE Credit/Substitution** - 4 credits of PE or PE substitution may be used toward state graduation requirements. The following courses may be taken as a PE substitution: Cheerleading (Varsity, Jr. Varsity, Freshman); Drill Team; Marching Band (1st 9 weeks only); External PE; Athletics; JROTC. Only one state credit allowed per year.

**7 Fine Arts** - credit must be earned from the following list of courses: Art I-IV, all AP Art, Orchestra I-IV, Choir I-IV, Dance I, Theatre Arts I-IV, Theatre Production I-IV, Technical Theatre I-IV, Band I-IV, Music Theory.

**STAAR EOC EXAMS REQUIRED FOR GRADUATION: ALGEBRA I, BIOLOGY, ENGLISH I, ENGLISH II AND US HISTORY.**

**See Course Requirements by Endorsement for specific core course requirements.**

## COURSE REQUIREMENTS BY ENDORSEMENT

### ARTS & HUMANITIES, BUSINESS & INDUSTRY, MULTIDISCIPLINARY

COURSE	ARTS & HUMANITIES	BUSINESS & INDUSTRY	MULTIDISCIPLINARY
English/Language Arts <sup>2</sup>	English 1 English 2 English 3 English 4 (recommended) or Advanced English <sup>2</sup>	English 1 English 2 English 3 English 4 (recommended) or Advanced English <sup>2</sup>	English 1 English 2 English 3 English 4 <sup>2A</sup> (recommended) or Advanced English <sup>2</sup>
Math <sup>5</sup>	Algebra 1 Geometry 3 <sup>rd</sup> math credit <sup>2</sup> (Algebra 2 required for DLA) 4 <sup>th</sup> math credit	Algebra 1 Geometry 3 <sup>rd</sup> math credit (Algebra 2 required for DLA) 4 <sup>th</sup> math credit	Algebra 1 Geometry 3 <sup>rd</sup> math credit (Algebra 2 required for DLA) 4 <sup>th</sup> math credit
Science	Biology IPC, Chemistry or Physics 3 <sup>rd</sup> Science 4 <sup>th</sup> Science	Biology IPC, Chemistry or Physics 3 <sup>rd</sup> Science 4 <sup>th</sup> Science	Biology IPC, Chemistry or Physics <sup>6</sup> 3 <sup>rd</sup> Science 4 <sup>th</sup> Science
Social Studies <sup>7</sup>	World Geography OR World History US History Government (.5) Economics (.5)	World Geography OR World History US History Government (.5) Economics (.5)	World Geography OR World History US History Government (.5) Economics (.5)
LOTE <sup>4</sup> W. Language OR Computer Science	Two levels in the same language OR Computer Science I & II	Two levels in the same language OR Computer Science I & II	Two levels in the same language OR Computer Science I & II
Fine Art	Fine Art (1)	Fine Art (1)	Fine Art (1)
PE	PE (1)	PE (1)	PE (1)
Endorsement/ Electives**	7 credits total	7 credits total	7 credits total
**On the FHSP, some courses may count as both an endorsement and a core requirement. If a course fulfills both, it will only count as one credit toward total credits.			
Total State Credits	26	26	26

- 1 The option for No Endorsement is not available until after completion of the sophomore year and requires parent and administrative approval/TEA Opt Out form
- 2 See Advanced English course list. Can also combine 2 (.5) credit courses.
- 2A English 4 is required for SOME of the non-CTE pathways for the Multidisciplinary endorsement.
- 3 Students pursuing an Arts & Humanities Endorsement may replace the 4th Science requirement with an additional credit in ELA, Social Studies, LOTE (World Language), or Fine Arts with parent/administrative approval.
- 4 There are possible exceptions to the Languages Other Than English (LOTE)/World Language requirements for students with disabilities and students who may be unable to complete the 2nd LOTE level successfully.
- 5 Mathematics courses which have Algebra 2 or higher as a prerequisite.
- 6 Some Multidisciplinary endorsements require Chemistry or Physics.
- 7 Some Arts & Humanities endorsements require 4 credits of Social Studies.






## COURSE REQUIREMENTS BY ENDORSEMENT

### PUBLIC SERVICES, STEM, NO ENDORSEMENT

Course	Public Services	STEM	No Endorsement <sup>1</sup>
English/Language Arts <sup>2</sup>	English 1 English 2 English 3 English 4 (recommended) or Advanced English <sup>2</sup>	English 1 English 2 English 3 English 4 (recommended) or Advanced English <sup>2</sup>	English 1 English 2 English 3 English 4 (recommended) or Advanced English <sup>2</sup>
Math <sup>5</sup>	Algebra 1 Geometry 3 <sup>rd</sup> math credit <sup>2</sup> (Algebra 2 required for DLA) 4 <sup>th</sup> math credit	Algebra 1 Geometry Algebra 2 4 <sup>th</sup> math credit <sup>5</sup>	Algebra 1 Geometry Additional math
Science	Biology IPC, Chemistry or Physics 3 <sup>rd</sup> Science 4 <sup>th</sup> Science	Biology Chemistry Physics Advanced Science	Biology IPC or other 3 <sup>rd</sup> science
Social Studies <sup>7</sup>	World Geography OR World History US History Government (.5) Economics (.5)	World Geography OR World History US History Government (.5) Economics (.5)	World Geography OR World History US History Government (.5) Economics (.5)
LOTE <sup>4</sup>	Two levels in the same language OR Computer Science I & II	Two levels in the same language OR Computer Science I & II	Two levels in the same language OR Computer Science I & II
Fine Art	Fine Art (1)	Fine Art (1)	Fine Art (1)
PE	PE (1)	PE (1)	PE (1)
Endorsement/ Electives**	7 credits total	7 credits total	5 credits total
**On the FHSP, some courses may count as both an endorsement and a core requirement. If a course fulfills both, it will only count as one credit toward total credits.			
<b>Total State Credits</b>	26	26	22

- 1 The option for No Endorsement is not available until after completion of the sophomore year and requires parent and administrative approval/TEA Opt Out form
- 2 See Advanced English course list. Can also combine 2 (.5) credit courses.
- 2A English 4 is required for SOME of the non-CTE pathways for the Multidisciplinary endorsement.
- 3 Students pursuing an Arts & Humanities Endorsement may replace the 4th Science requirement with an additional credit in ELA, Social Studies, LOTE (World Language), or Fine Arts with parent/administrative approval.
- 4 There are possible exceptions to the Languages Other Than English (LOTE)/World Language requirements for students with disabilities and students who may be unable to complete the 2nd LOTE level successfully.
- 5 Mathematics courses which have Algebra 2 or higher as a prerequisite. See Math department.
- 6 Some Multidisciplinary endorsements require Chemistry or Physics.
- 7 Some Arts & Humanities endorsements require 4 credits of Social Studies.

# FOUNDATION HIGH SCHOOL PROGRAM | PERSONAL GRADUATION PLAN

FOUNDATION WITH ENDORSEMENT (26 Credits)	ENDORSEMENTS (Minimum of 26 Credits)	PERFORMANCE ACKNOWLEDGMENTS
<p><b>ENGLISH LANGUAGE ARTS (4 Credits)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> English 1</li> <li><input type="checkbox"/> English 2</li> <li><input type="checkbox"/> English 3</li> <li><input type="checkbox"/> English 4 (recommended) or other Advanced English</li> </ul> <p><b>MATHEMATICS (3 Credits)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Algebra I</li> <li><input type="checkbox"/> Geometry</li> <li><input type="checkbox"/> Other advanced math (Algebra 2 required for all endorsements)</li> <li><input type="checkbox"/> 4<sup>th</sup> Math</li> </ul> <p><b>SOCIAL STUDIES (3 Credits)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> World History or World Geography</li> <li><input type="checkbox"/> U.S. History</li> <li><input type="checkbox"/> Government (.5) and Economics (.5)</li> </ul> <p><b>SCIENCE (3 Credits)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Biology</li> <li><input type="checkbox"/> IPC, Chemistry or Physics</li> <li><input type="checkbox"/> Other advanced science</li> <li><input type="checkbox"/> 4<sup>th</sup> Science</li> </ul> <p><b>LANGUAGES OTHER THAN ENGLISH (2 Credits)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> LOTE 1 _____</li> <li><input type="checkbox"/> LOTE 2 _____</li> </ul> <p><b>FINE ARTS (1 Credit)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> _____</li> </ul> <p><b>PHYSICAL EDUCATION (1 Credit)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> P.E. or substitution</li> </ul> <p><b>ELECTIVES (7 Credits)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Elective 1 _____</li> <li><input type="checkbox"/> Elective 2 _____</li> <li><input type="checkbox"/> Elective 3 _____</li> <li><input type="checkbox"/> Elective 4 _____</li> <li><input type="checkbox"/> Elective 5 _____</li> <li><input type="checkbox"/> Elective 6 _____</li> <li><input type="checkbox"/> Elective 7 _____</li> </ul>	<p>Students may choose one or more endorsement(s). See specific details for each endorsement on reverse.</p> <div style="text-align: center; margin: 10px 0;">  </div> <p><b>SCIENCE, TECHNOLOGY, ENGINEERING, MATH (STEM)</b></p> <p><i>4 credits in a single area of</i></p> <ul style="list-style-type: none"> <li>- STEM career cluster</li> <li>- STEM combination</li> </ul> <p><i>5 credits in a single area of</i></p> <ul style="list-style-type: none"> <li>- Math</li> <li>- Science</li> </ul> <div style="text-align: center; margin: 10px 0;">  </div> <p><b>BUSINESS AND INDUSTRY</b></p> <p><i>4 credits in a single area of</i></p> <ul style="list-style-type: none"> <li>- Designated career cluster</li> <li>- English electives</li> </ul> <div style="text-align: center; margin: 10px 0;">  </div> <p><b>PUBLIC SERVICES</b></p> <p><i>4 credits in a single area of</i></p> <ul style="list-style-type: none"> <li>- Designated career cluster</li> <li>- JROTC</li> </ul> <div style="text-align: center; margin: 10px 0;">  </div> <p><b>ARTS AND HUMANITIES</b></p> <p><i>5 credits in a single area of</i></p> <ul style="list-style-type: none"> <li>- Social Studies</li> </ul> <p><i>4 credits in a single area of</i></p> <ul style="list-style-type: none"> <li>- LOTE</li> <li>- Fine Arts</li> <li>- English</li> </ul> <div style="text-align: center; margin: 10px 0;">  </div> <p><b>MULTIDISCIPLINARY STUDIES</b></p> <p><i>4 credits in a single area of</i></p> <ul style="list-style-type: none"> <li>- Advanced courses</li> <li>- 1 AP class or dual credit in foundation subjects</li> </ul>	<p><b>DUAL CREDIT</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 12 college credit hours with a grade of 3.0 or higher</li> </ul> <p><b>BILINGUALISM/BILITERACY</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Complete all ELA requirements with a minimum GPA of 80</li> </ul> <p><i>And one of the following:</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 3 credits in the same Language Other Than English (LOTE) with a minimum GPA of 80</li> <li><input type="checkbox"/> Pass Level 4 or higher in a LOTE with a minimum GPA of 80</li> <li><input type="checkbox"/> AP LOTE score 3.0 or higher</li> </ul> <p><i>English Language Learners must also:</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Have participated and met exit criteria for a bilingual or ESL program and</li> <li><input type="checkbox"/> Scored "Advanced High" on TELPAS</li> </ul> <p><b>AP</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Score of 3 or above on an AP exam</li> </ul> <p><b>COLLEGE ENTRANCE EXAM</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> PSAT score of Commended or higher</li> <li><input type="checkbox"/> SAT score of 410 in Reading, 520 in Math</li> <li><input type="checkbox"/> ACT score of 28 without Writing</li> </ul> <p><b>BUSINESS/INDUSTRY CERTIFICATION</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Complete a qualifying business or industry certification</li> </ul>

## STAAR EOC EXAMS REQUIRED FOR GRADUATION

English 1 | English 2 | Algebra 1 | Biology | U.S. History

## WHAT IS THE FAFSA?

The **Free Application for Federal Student Aid (FAFSA)** is the form the U.S. Department of Education (ED) requires to determine your Expected Family Contribution (EFC). The government conducts a “needs analysis” based on financial information, such as income, assets, and other family information, which you (and your parents if you are a dependent student) will be asked to provide.

[www.fafsa.ed.gov](http://www.fafsa.ed.gov)

The FAFSA is the application most colleges use to determine eligibility for federal, state, and college-sponsored financial aid, including grants, educational loans, and work-study programs.

All college students are expected to contribute towards their education costs. How much you and your family will be expected to contribute depends on your financial situation — and is what’s called your **Expected Family Contribution (EFC)**.



## TOWARD EXCELLENCE, ACCESS & SUCCESS (TEXAS) GRANT PROGRAM

[WWW.COLLEGEFORALLTEXANS.COM](http://WWW.COLLEGEFORALLTEXANS.COM)



The Texas Legislature established the TEXAS (Toward EXcellence, Access and Success) Grant to enable eligible well-prepared high school graduates with financial need to attend public institutions of higher education in Texas.

### ELIGIBILITY

- Are Texas residents; and
- Have not been convicted of a felony or crime involving a controlled substance; and
- Register for the Selective Service or are exempt from this requirement; and
- Complete the Foundation High School Program (FHSP) in high school; and
- Enrolled in an undergraduate degree or certificate program at an approved institution within 16 months from high school graduation, having not accumulated more than 30 Semester Credit Hours (SCH's) (excluding credits for dual credit or by examination);
- Have a 9 month Estimated Family Contribution (EFC) of no more than \$5,233

### HOW CAN YOU APPLY?

You apply for the TEXAS Grant when you complete and submit the Free Application for Federal Student Aid (FAFSA) or other application as required by your college's financial aid office. Funding is limited, so you need to submit your application as soon as possible. The financial aid office at each college and university will determine if the TEXAS Grant is part of the aid package that is offered to you.

### PRIORITY CONSIDERATION

- Meet at least one requirement in at least two of the following areas:
- Advanced Academics: Earn 12 hours of college credit (e.g. dual credit, AP)
- International Baccalaureate program
- Advanced Math: Complete a math course beyond Algebra II
- Rank in top 1/3 of high school class OR have a B average (e.g.
- 3.0 GPA on an unweighted 4.0 scale)
- College Readiness:  
Achieve college readiness threshold as determined by Texas Success Initiative (TSI); OR  
Be TSI exempt (e.g. meet minimum score on SAT/ACT)



The Lewisville ISD Education Foundation makes more than 300 scholarships available to graduating seniors from LISD every year in order to help them in their continued educational journey!

Scholarships are awarded based on specific criteria established by donors, ranging from academic achievement and community involvement to success outside of academic ranking and career aspirations.

**Seniors just need to complete one application to be eligible for multiple scholarships. Find out how at [lisdef.com/scholarships](http://lisdef.com/scholarships).**

# TESTING INFORMATION



## SAT & ACT TESTS

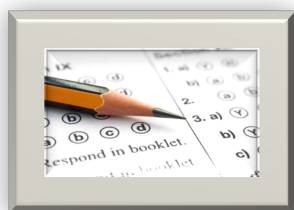
Most colleges and universities require either an **ACT** or **SAT** test for admission. They are given on certain Saturdays throughout the school year and early summer. The national test dates and deadlines can be accessed at:

**SAT Testing: [www.collegeboard.org](http://www.collegeboard.org)**

**ACT Testing: [www.actstudent.org](http://www.actstudent.org)**

Students may pick up registration packets in the Counseling office. (LISD counselors do not collect fees for these tests)  
**Students on free or reduced lunch may receive a fee waiver for these tests. Students need to see their counselor for more information.**

The Counseling office would like to *encourage* all college bound students to take an **SAT or ACT** by the end of their junior year. While we do not encourage random repeat testing, there are some very good reasons for taking a particular test again. Certain scholarships require a designated minimum score on the **SAT or ACT**, as do many universities. Retaking the test *may* improve the student's score.



## STAAR™ GRADUATION REQUIREMENTS

**Five STAAR EOC tests are required for graduation: Algebra I, Biology, English I, English II and US History.**

In Fall 2017, the Texas Education Agency released a list of assessments and criteria that could serve as substitutes for specified EOC exams. For more information, visit the TEA webpage at

[http://ritter.tea.state.tx.us/rules/tac/chapter101/19\\_0101\\_4002-1.pdf](http://ritter.tea.state.tx.us/rules/tac/chapter101/19_0101_4002-1.pdf)



## ASVAB – Armed Services Vocational Aptitude Battery

ASVAB test is offered to high school and post-secondary students as part of the ASVAB Career Exploration Program. The ASVAB is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success.



## TSI Test - Texas Success Initiative

The Texas Success Initiative (TSI) is a legislative requirement for all students enrolling in a Texas public college or university designed to determine if a student is ready for college-level coursework in the general areas of reading, writing and mathematics. Lewisville ISD offers TSI testing for students who do not qualify for a dual credit waiver of this requirement as listed below. TSI testing on each campus is offered during the Spring semester of specific dates for students planning to enroll in dual credit courses:

Students can be exempt from taking the TSI assessment as below:

- STAAR EOC English 2 scores of 4000 or higher for reading and writing
- STAAR EOC Algebra 1 score of 4000 with a "C" or better grade in Algebra II
- ACT composite of 23 with an English score of 19 and/or a math score of 19
- SAT Evidence Based Reading/Writing score (taken after 3/2016) of 480
- SAT Math score (taken after 3/2016) of 530



## PSAT/NMSQT

The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is a standardized test administered by the College Board and cosponsored by the National Merit Scholarship Corporation (NMSC) in the United States. This test is given to all LISD students in October of sophomore year. A student may choose to take the PSAT during their junior year for National Merit qualifying status. Visit the website for more info: <https://collegereadiness.collegeboard.org/psat-nmsqt-psat-10>



# ACADEMIC PLANNING INFORMATION

## WHAT IS THE ACCELERATED BLOCK?

Lewisville ISD high schools operate on the accelerated block schedule. Instead of taking 8 yearlong classes, students have 4 blocks in the fall and 4 blocks in the spring semester to take classes. On the accelerated block schedule, 1 credit = 18 weeks (semester) and .5 = 9 weeks (term).

On the accelerated block, during one full year (fall & spring semesters), a student could be enrolled in as many as 8 different blocks of courses (4 in the fall semester and 4 in the spring semester) with the potential of earning a maximum of 8 credits.

The accelerated block provides for 90-minute class periods. Students are scheduled into four periods per day, and each class meets every day. Some courses are offered for local credit only and do not count toward state credits needed for graduation.

## TRANSFER GRADES

Students who transfer to Lewisville schools from other U.S. schools with letter grades will receive the following numerical-grade equivalencies if there is no numerical equivalency on the transcript. If there is a range, the midpoint grade will be used.

A+	98	B+	88	C+	79	D+	74	F	69
A	95	B	85	C	77	D	72		
A-	91	B-	81	C-	75	D-	70		

## DETERMINING CREDIT FOR FULL-TERM COURSES

A student may receive full credit for a 1.0 credit course if ONE of the standards below is met:

- The student passes both terms of the course with a 70 or above in each 9 weeks
- The student fails the first term of the course but has a sufficient score on the second term resulting in a grade of 70 or higher when averaged with the first term.
- The student passes the first term and scores **65 or above** on the second term. **IF** the two term grades averaged together result in grade of 70 or higher, the student will receive full credit for the course. If the student scores below a 65 on the second term, the second term must be repeated and passed regardless of the student's grade in the first term.

Students are not allowed to average the following for full credit:

- Summer school courses with grades earned during the school year
- Credit recovery courses with grades earned during the school year.
- A&B semester grades cannot be average for the following: CBE/CBA grades, summer school courses or credit recovery courses.

## STUDENT CLASSIFICATION

<b>Freshman (9)</b>	<b>0 to 5.5 credits</b>	<b>Junior (11)</b>	<b>12-17.5 credits</b>
<b>Sophomore (10)</b>	<b>6-11.5 credits</b>	<b>Senior (12)</b>	<b>18+ credits</b>
STUDENTS WILL BE RECLASSIFIED AT THE END OF EACH TERM ( <b>JANUARY &amp; JUNE</b> ) IF WARRANTED DUE TO GRADUATION STATUS OR STATE TESTING REQUIREMENTS. 3-YEAR GRADS WILL BE RECLASSIFIED WHEN THEY REACH 18 STATE CREDITS.			

## GENERAL INFORMATION ABOUT ACCELERATED BLOCK AND COURSES

- Course "Recommendations" are listed to help ensure a greater measure of success for the student and should therefore be completed. A student may, however, enroll in a class without taking suggested course recommendations.
- Course "Prerequisites" must be successfully completed before a student is allowed to enroll in a course.
- Students may graduate early by completing all graduation requirements. The desire to graduate early will not subject the student to special consideration in scheduling.
- It is the parent's/student's responsibility to insure compliance with the requirements for the NCAA Eligibility Center for college athletics. [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

## HIGH SCHOOL COURSES TAKEN DURING MIDDLE SCHOOL

- To receive credit for a high school course taken at the middle school level, a student must successfully complete the entire course. Students may grade average for full credit IF the second half of the course is a 65 or higher.
- LANGUAGES OTHER THAN ENGLISH: LISD offers Spanish in middle school for high school credit. These courses will count towards graduation credit but do not currently count in high school GPA or RIC. The only exception to this is Spanish IV AP; this WILL COUNT in GPA starting with the Class of 2024.
- OTHER HIGH SCHOOL COURSES TAKEN IN MIDDLE SCHOOL: High school courses taken during middle school by students who have met middle school course prerequisites in mathematics, science, social studies, and English will receive high school credit but will not count in high school GPA or RIC.

## GRADE POINT AND RANK IN CLASS

The weighted numerical GPA of each student is placed in numerical order. The student's final RIC will be determined at the end of the 3<sup>rd</sup> nine weeks of the senior year.

**VALEDICTORIAN AND SALUTATORIAN ELIGIBILITY:** To be eligible for such recognition, student must have been continuously enrolled in the same high school in the district for the entire two years immediately preceding graduation.

### CLASS OF 2018, 2019 & 2020

<b>CALCULATION OF CLASS RANK</b>	Includes: English, math, science, social studies, LOTE (languages other than English), Academic Decathlon, an AP courses not associated with these subjects Only courses taken in grades 9-12	
<b>EXCLUSIONS FROM GPA/RIC</b>	Credit by exam or acceleration (CBE/CBA) HS courses taken in MS	
<b>WEIGHTED GRADE SYSTEM</b>	Level 0 1.0 multiplier	Courses with modified content as decided by a student's ARD committee Night school, summer school for credit recovery, accelerated courses at LLC
	Level 1 1.1 multiplier	General education courses
	Level 2 1.2 multiplier	Pre-AP, Dual Credit
	Level 3 1.3 multiplier	AP courses, Academic Decathlon, IB courses (students transferring in with IB credit)

### CLASS OF 2021 & BEYOND

<b>CALCULATION OF CLASS RANK</b>	Includes: English, math, science, social studies, LOTE (languages other than English), academic decathlon, an AP courses not associated with these subjects Only courses taken in grades 9-12	<b>CLASS OF 2024 &amp; BEYOND</b>
		AP Spanish taken in MS
<b>EXCLUSIONS FROM GPA/RIC</b>	Credit by exam or acceleration (CBE/CBA) High school courses taken in middle school NOTE: All high school credit courses will appear on the transcript regardless of whether they count in GPA and RIC calculation.	
<b>WEIGHTED GRADE SYSTEM</b>	Level 0 1.0 multiplier	Courses with modified content as decided by a student's ARD committee, credit recovery courses completed on campus, Night school, summer school for credit recovery, accelerated courses at LLC
	Level 1 1.1 multiplier	General education courses
	Level 2 1.15 multiplier	Pre-AP
		<b>CLASS OF 2024 AND BEYOND</b>
		All non-PreAP and non-AP LOTE
Level 3 1.2 multiplier	Dual credit courses, AP courses, Academic Decathlon, IB courses (for students transferring in with IB credit)	



# LEWISVILLE ISD PROGRAMS



## ADVANCED PLACEMENT (AP)

Advanced Placement Courses for College Credit. College credit may be granted by a university based upon Advanced Placement examination scores; therefore, all students enrolled in an Advanced Placement course are encouraged to take the Advanced Placement exam for that course. There is a fee for each exam.

Information on fee reductions and exam subsidies, based on financial need, are available through the high school testing coordinator. NOTE: Pre-Advanced Placement courses prepare the student for the challenge of the Advanced Placement course. Pre-Advanced Placement courses do not include examinations for college credit. These courses are designed to enhance learning and level of challenge. Pre-Advanced Placement and Advanced Placement courses provide a rigorous curriculum; furthermore, universities across the country recognize the quality inherent in Advanced Placement designated courses.

### AP Courses offered in LISD

AP English III (Language & Composition)	AP World History	AP Physics C: Electricity & Magnetism
AP English IV (Literature & Composition)	AP Macroeconomics	AP Physics C: Mechanics
AP Calculus AB	AP Microeconomics	AP Spanish IV (Language & Culture)
AP Calculus BC	AP Psychology	AP Spanish V (Literature & Culture)
AP Computer Science	AP US Government	AP Music Theory
AP Statistics	AP Biology	AP Studio Art: 2-D Design
AP European History	AP Chemistry	AP Studio Art: 3-D Design
AP Human Geography	AP Physics 1: Algebra-Based	AP Studio Art: Drawing
AP US History	AP Physics 2: Algebra-Based	AP Research/AP Seminar



## ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

Advancement Via Individual Determination (AVID) is a college readiness system for elementary through higher education that is designed to increase school-wide learning and performance. The AVID College Readiness System (ACRS) accelerates student learning, uses research-based methods of effective instruction, provides meaningful and motivational professional learning, and acts as a catalyst for systemic reform and change. The AVID Curriculum is based on rigorous standards, Socratic seminars, writing skills, inquiry, collaboration, organization, and critical reading. The students actively engage in college

awareness activities and receive strong support to access rigorous curriculum in the other core content areas, using the curricular resources to aid in their success. Students who wish to apply to the AVID program should ask their counselor for the forms outlining the process to join this academic elective course. Enrollment in the AVID program requires a commitment to the 36-week term, resulting in one course credit at the end of the school year.

**The AVID program is not offered at all campuses. Please check with your counselor to find out if your school has this program. Acceptance is contingent upon successfully completing the application process and parent approval.**

## COLLEGIATE ACADEMY AT THE COLONY HIGH SCHOOL

The Collegiate Academy allows our students to tap into rich dual credit options while still participating in a full high school experience. Lewisville ISD students can earn required high school credits while potentially earning an Associate's Degree. Students accepted into the Collegiate Academy will attend The Colony High School for the duration of high school. [www.lisd.net/academy](http://www.lisd.net/academy)

LEWISVILLE ISD

*Collegiate Academy*

@THE COLONY HIGH SCHOOL

**blendED LEARNING**

Various classes in LISD are offered in a blendED environment. Look in the department course descriptions to see which LISD courses may be offered as blendED! Offerings are varied by campus.

**FOR STUDENTS WHO**

-  need more time off during the school day to work.
-  want to work at their own time, place, and pace.
-  want to develop future-ready skills.
-  want more one-on-one time to work with the teacher or in collaborative groups.
-  want to begin transitioning from high school to college and workplace flexible learning environments.

**HOW IS A BLENDED CLASS SCHEDULED?**

\*blendED classes are available in several subjects and carry the same grade weight as traditional classroom courses. They are usually scheduled 1st and 4th period to allow for flexible mobility (study at home or at school) on online days.

**EXAMPLE:**

Period	Monday	Tuesday	Wednesday	Thursday	Friday
1	English IV	English IV	English IV	English IV	English IV
2	Calculus	Calculus	Calculus	Calculus	Calculus
3	Astronomy	Astronomy	Astronomy	Astronomy	Astronomy
4	blendED Economics class day	blendED Economics online day	blendED Economics class day	blendED Economics online day	blendED Economics class day

Students do not have to be physically present for a blendED class on an online day, but they may choose to work with the teacher in the classroom or study in a flexible learning space on campus.

**CREDIT RECOVERY**

Credit Recovery Labs in LISD use computer instruction software for students to retake core graduation courses in a timely and flexible manner that meets their specific needs. Supplemental assignments such as reports, notes, offline exercises, and research papers are required in many of the courses. The LISD Credit Recovery Program is committed to providing students with a quality learning experience with the flexibility to meet their needs in recovering credit and also the knowledge and skills needed for their futures. The NCAA Eligibility Center WILL NOT accept Credit Recovery courses for college entrance and eligibility.

**ENGLISH AS A SECOND LANGUAGE (ESL)**

The district provides a several course options designed to meet the needs of students participating in the English as a Second Language (ESL) program in accordance with the TEKS and the English Language Proficiency Standards set forth by the state. Instruction in the ESL English courses is communicated, sequenced, and scaffolded in response to the needs of beginning and intermediate English learners and focuses on effective communication skills and fluency in reading, writing, listening, and speaking. Students may also receive ESL services through general education, special education, PreAP, and AP classes by sheltered instruction trained and/or ESL-certified teachers.

**LEWISVILLE ISD EDUCATION FOUNDATION**

Lewisville ISD Education Foundation (LEF) is a 501(c)(3) nonprofit foundation in support of students and teachers of Lewisville ISD. Our chief goals are to provide teacher grants to encourage innovative and interactive learning in LISD classrooms and to support graduating LISD seniors in their pursuit of higher education with scholarships. For opportunities to volunteer or support LISD through LEF, visit [www.lisdef.com](http://www.lisdef.com) or follow on Twitter [@LEFforLISD](https://twitter.com/LEFforLISD) or [Facebook.com/LEFforLISD](https://facebook.com/LEFforLISD).



**LEWISVILLE LEARNING CENTER**

**HIGH SCHOOL ACCELERATED PROGRAM**

The Accelerated Program is designed for students who are academically behind their peers and/or teen parents. It provides students the opportunity to regain lost credits and rejoin their appropriate age group. Home campus counselors refer students to the Learning Center and work with LLC counselors to ensure that students are a good fit for the program and are progressing toward their goal of graduation.

**NIGHT HIGH SCHOOL**

Night High School is a dropout recovery program designed to meet the needs of students who have dropped out of school. It also provides the opportunity for current LISD high school students to take extra classes to catch up or accelerate. Current LISD students work with home campus counselors to enroll in Night High School. Students who have dropped out should contact the Night High School staff for enrollment information.





## SPECIAL EDUCATION

The mission of the Special Education Department is to prepare socially aware, productive individuals. Our dedicated and knowledgeable staff will teach a diverse, relevant, and comprehensive curriculum in a supportive environment which challenges all students and promotes learning.

Special Education personnel in LISD should strive to provide a seamless service delivery system where all disciplines are aligned and working together to meet the needs of children in a collaborative manner that empowers and nurtures all those involved.



**Flexible Online and blended Learning Opportunities**  
**FALL + SPRING + SUMMER**  
<http://via.lisd.net>

### VIRTUAL LEARNING ACADEMY COURSES HELP STUDENTS WHO

-  need to make room in their schedule for band, athletics, Advanced Placement, and Career and Technology courses.
-  want to work and go to school.
-  **Credit Recovery** need an online option for credit recovery.
-  want to graduate early.
-  **Senior In/Out** want senior-in or senior-out but need to take a full schedule.
-  want to begin transitioning from high school to college and workplace flexible learning environments.
-  like to learn at their own time, place and pace.

### DEVELOP CRITICAL FUTURE-READY SKILLS

-  **Time Management**
-  **Communication and Collaboration**
-  **Self-Directed Learning**

Students do not have to be physically present at school to take an online course and may take supplemental online courses in addition to a full schedule or take an online course inside the school day as part of their regular course load (must meet qualifications).

### ACHIEVE YOUR PERSONAL AND EDUCATIONAL GOALS

English	Social Studies	Math	Science	World Language	Fine Arts	Physical Education	CTE
English I, II, III, IV AP English II AP English IV Creative Writing	World History World Geography US History Economics US Government AP Macroeconomics AP US History Psychology AP Psychology	Algebra I Geometry Algebra II Pre-Calculus Calculus	Biology Chemistry Physics Astronomy Environmental Systems Earth Space Science	ASL I, II, III Spanish I, II, III French I, II, III German I, II, III Chinese I, II, III	Art I, II, III Art History	Foundations of Personal Fitness (0.5 or 1.0 credits)	Professional Communications

Online courses are available in all content areas and carry the same grade weight as traditional classroom courses.

## DUAL CREDIT



### What is Dual Credit?

Dual credit courses count for both high school and college credit and are taken through a local community college. Students wanting to take dual credit MUST meet the TSI (Texas Success Initiative) testing requirements to enroll in the course(s) they want to take. Dual credit is taken primarily by juniors and seniors, but is available to freshman and sophomores in some cases. Students may also take dual credit courses in the summer.

**Collin College:** Hebron High School & The Colony High School

**NCTC:** Flower Mound High School, Lewisville High School & Marcus High School

### Benefits

Successful completion of each dual credit course guarantees college credit at all Texas public universities and many private or out-of-state universities. \*Students should check with their preferred college/university for transferability

Head start on post-secondary core requirements

Easier transition from high school to college

Can lower cost of college because dual credit is typically less than post high school college coursework

**For more information regarding dual credit, students can talk with their counselor.**

<u>LISD CRS#</u>	<u>LISD COURSE</u>	<u>COLLEGE CRS#</u>	<u>NCTC &amp; COLLIN COURSE</u>
19251936	English 3A Dual Credit	ENGL 1301	Composition I
19252036	English 3B Dual Credit	ENGL 1302	Composition II
19252136	English 4A Dual Credit	ENGL 1301	Composition I
19252236	English 4B Dual Credit	ENGL 1302	Composition II
19252336	English 3A AP Dual Credit	ENGL 1301	Composition I
19552436	English 3B AP Dual Credit	ENGL 1302	Composition II
29339236	IS Math College Algebra DC	MATH 1314	College Algebra
29333536	Precalculus B DC	MATH 1316	Plane Trigonometry
29334436	IS Math for Business DC	MATH 1324	Math for Business & Soc Sciences
29334536	IS Math Calculus for Business DC	MATH 1325	Calculus for Business & Soc Sciences
29334636	IS Math Contemporary Math DC	MATH 1332	Contemporary Math I
79162336	Statistics & Risk Mgmt Stat DC	MATH 1342	Elementary Statistical Methods
29333599	Precalculus A DC	MATH 2412	Pre-Calculus Math
29334736	IS Math Calculus I	MATH 2413	Calculus I
39533536	Anatomy & Physiology A DC	BIOL 2401	Human Anatomy & Physiology I
39533636	Anatomy & Physiology B DC	BIOL 2402	Human Anatomy & Physiology II
49575036	Economics DC	ECON 2301	Principles of Macroeconomics
49573536	U.S. Government DC	GOVT 2305	Federal Government
49580336	SPTSS DC	GOVT 2306	Texas Government
49572236	U.S. History A DC	HIST 1301	U.S. History to 1865
49572336	U.S. History B DC	HIST 1302	U.S. History from 1865
49577536	Psychology DC	PSYC 2301	General Psychology
49578536	Sociology DC	SOCI 1301	Introduction to Sociology
79800336	Professional Communication DC	SPCH 1321	Business & Prof Communication

## Secondary Gifted/Talented (G/T) Services

Vision	WE believe that Gifted/Talented Students...
Empowering Gifted/Talented students to explore their passions and potential, embrace their abilities and unique giftedness, and thrive in a future they create.	<ul style="list-style-type: none"> <li>☼ Benefit from shared family, community, and school partnerships in developing individualized services.</li> <li>☼ Possess unique social-emotional and educational needs that must be addressed for overall success.</li> <li>☼ Deserve the opportunity to explore their unique passions and capabilities with like-minded peers</li> <li>☼ Need families, educators, and community members to have on-going learning equipping them to support the whole child.</li> <li>☼ Value and need opportunities to work with like-minded peers.</li> <li>☼ Are present in all populations and cultures.</li> <li>☼ Require flexibility in systems and services.</li> </ul>
Missio	
We inclusively identify, engage, build relationships and ignite a desire for learning through empowering Gifted/Talented students to explore their passions while meeting their unique social-emotional and educational needs every day.	



# GIFTED AND TALENTED

### High School G/T

The LISD high school gifted and talented service model includes both dedicated G/T Pre-AP and AP course offerings as well as clustering students within Pre-AP and AP core courses. The G/T courses are designed specifically to meet the unique social- emotional and educational needs of G/T students.

- ☼ Dedicated sections are made up of 100% students formally identified as G/T
- ☼ Clustered sections are made up of a minimum of 3 students formally identified as G/T

If a dedicated G/T Pre-AP or G/T AP course does not meet minimum enrollment requirements, the G/T students will be clustered in the corresponding Pre-AP/AP course offering. The Dedicated G/T Pre-AP and G/T AP, share the same grade weights as the corresponding Pre-AP and AP courses for class ranking purposes.

### Dedicated Sections of G/T PreAP and AP Courses

Math Courses	Science	English	Social Studies
G/T Pre-AP Geometry G/T Pre-AP Precalculus G/T AP Calculus AB	G/T Pre-AP Chemistry	G/T Pre-AP English I G/T Pre-AP English II G/T AP English III G/T AP English IV	G/T AP World History G/T AP US History G/T AP Government G/T AP Macroeconomics

### Student Identification & Assessment for G/T Services

Multiple measures are utilized to qualify for G/T services including ability testing, achievement testing, parent and teacher input, and student work samples. Parents, students or educators may refer a student for G/T testing by requesting a G/T referral packet from the campus counseling office.

### Additional Resources and Contact Information

Additional program and services information can be referenced on the LISD website. LISD families are encouraged to contact their campus teachers, counselors, and administrators with concerns regarding their student. For additional LISD G/T program and services questions, please contact Sharon Nobis, Secondary Gifted and Talented Administrator, nobiss@lisd.net or 469-948- 8122.



# ENGLISH LANGUAGE ARTS

LISD COURSE #	COURSE	GRADE	CREDIT
19250000	ENGLISH I	9	1
19250037	ENGLISH I – BLENDED	9	1
19250021	ENGLISH I PRE-ADVANCED PLACEMENT	9	1
19250117	ENGLISH I G/T PRE-ADVANCED PLACEMENT	9	1
19256511	ENGLISH I NEWCOMERS ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESL)	9-12	1
19256211	NEWCOMER ENGLISH LANGUAGE DEVELOPMENT (NELD A & B)	9-12	1
19251000	ENGLISH II	10	1
19251037	ENGLISH II - BLENDED	10	1
19251021	ENGLISH II PRE-ADVANCED PLACEMENT	10	1
19251117	ENGLISH II G/T PRE-ADVANCED PLACEMENT	10	1
19257011	ENGLISH II FOR SPEAKERS OF OTHER LANGUAGES (ESOL)	9-12	1
19252000	ENGLISH III	11	1
19252137	ENGLISH III - BLENDED	11	1
19252020(A) / 19252120(B)	ENGLISH III - VIRTUAL LEARNING	11	1
19252002	ENGLISH III ADVANCED PLACEMENT	11	1
19252115	ENGLISH III G/T ADVANCED PLACEMENT	11	1
19252037	ENGLISH III ADVANCED PLACEMENT - BLENDED	11	1
19252220(A)/19252320(B)	ENGLISH III ADVANCED PLACEMENT – VIRTUAL LEARNING	11	1
19251836(A)/19252936 (B)	ENGLISH III, DUAL CREDIT	11	1
19253000	ENGLISH IV	12	1
19253137	ENGLISH IV - BLENDED	12	1
19253090(A)/19253190(B)	ENGLISH IV - VIRTUAL LEARNING	12	1
19253002	ENGLISH IV ADVANCED PLACEMENT	12	1
19253015	ENGLISH IV G/T ADVANCED PLACEMENT	12	1
19253237	ENGLISH IV ADVANCED PLACEMENT- BLENDED	12	1
19253290(A) /19253590(B)	ENGLISH IV ADVANCED PLACEMENT- VIRTUAL LEARNING	12	1
19252136(A)/19252236 (B)	ENGLISH IV, DUAL CREDIT	12	1
19254000	CREATIVE WRITING	10-12	.5-1
19254190(A)/19254290(B)	CREATIVE WRITING - VIRTUAL LEARNING	10-12	.5-1
19254600(.5)/19254500(1.0)	HUMANITIES - THE ELIZABETHAN AGE	11-12	.5-1
19255000	LITERARY GENRES/SCIENCE FICTION STUDIES,	9-12	.5
19255500	PRACTICAL WRITING/GRAMMAR FOR COLLEGE AND WORK	9-12	.5
19256000	LITERARY GENRES/MULTICULTURAL LITERATURE	9-12	.5
19254400	INDEPENDENT STUDY IN ENGLISH: HEBREW SCRIPTURES (BIBLE LITERACY)	12	.5
19254800	INDEPENDENT STUDY IN ENGLISH: NEW TESTAMENT (BIBLE LITERACY)	12	.5
19AE1500	ADVANCED JOURNALISM – YEARBOOK PRODUCTION III	10-12	1
19AE3000	ADVANCED JOURNALISM – NEWSPAPER PRODUCTION III	11-12	1
19AE5700	ADVANCED BROADCAST JOURNALISM III	12	1
19AE2000	PUBLIC SPEAKING III	11-12	1
19AE3500	DEBATE III	11-12	1
19AE0400	INDEPENDENT STUDY SPEECH	12	1
19AE1100	INDEPENDENT STUDY JOURNALISM	12	1
19261300	COLLEGE PREPARATORY ENGLISH	12	1

## ENGLISH LANGUAGE ARTS/ ESL

NOTES: All students are required to complete four required English credits.  
All English courses are college preparatory courses.

Courses in English – Language Arts are offered in a variety of formats and academic levels. Below are descriptions of the formats and academic levels associated with individual courses:

### ACADEMIC LEVELS

**Pre-Advanced Placement:** Pre-Advanced Placement refers to attitudes and strategies, and prepares students to be successful in the eventual critical thinking and writing skills that Advanced Placement courses in English III AP and English IV AP will require; it does not define the particular works to be studied, nor does it simply refer to amounts of work outside the school day.

**Advanced Placement:** Advanced Placement courses are accelerated courses preparing students with the critical reading, writing, and thinking skills needed to take the Advanced Placement Language and Composition (Eng III AP) or the Advanced Placement Literature and Composition (Eng IV AP) exams. Successful performance on these exams may result in the awarding of college credit.

**G/T Pre-Advanced Placement/Advanced Placement:** Enrollment in designated G/T courses will be limited to students who formally qualified for Gifted and Talented Services in LISD. If a G/T course does not meet minimum enrollment requirements, it may need to be combined with the PAP/AP course offering.

**Dual Credit:** Dual credit courses count for both high school and college credit and are taken through a local community college. Students wanting to take dual credit **MUST** meet the TSI (Texas Success Initiative) testing requirements in order to enroll. Dual credit is taken primarily by juniors and seniors, but is available to freshman and sophomores in some cases. Students may also take dual credit courses in the summer.

**NOTE: “Summer Reading” assignments are not a district-mandated component of Pre-AP or AP, but may be assigned at the discretion of the campus administrator.**

### NON-TRADITIONAL COURSE FORMATS

**blendED:** The blendED model offers students the opportunity to experience the benefits of online and face-to-face instruction. Students meet as a class two-to-three days a week and work online the remainder of the time. Students do not have to be physically present for class on an online day and may work at home or in flexible learning spaces throughout the campus. Additionally, students may meet individually and/or in small groups with their teachers on an online day for personalized instruction. Courses may not be available at all campuses and the model may vary.

**Virtual Learning:** Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet with their instruction for personalized instruction. Students do not have to be physically present on campus to take an online course.

## ENGLISH I COURSES

### SEE ENGLISH LANGUAGE ARTS COVER PAGE FOR ACADEMIC LEVELS

In English I, students expand their skills in writing and reading through an integrated study of reading, writing, speaking, and purposeful collaboration. Students, both independently and collaboratively, will engage in ongoing inquiry and research processes; analyze texts across genres through a variety of critical lenses; establish meaningful positions through formal and informal writing; and have frequent opportunities to engage with a variety of self-selected texts that build their critical thinking skills and personal enjoyment for reading.

#### ENGLISH I

Course **19250000**

Credits: 1

Grade: 9

GPA Level: 1

Recommendation or Prerequisite: None

#### ENGLISH I PRE-ADVANCED PLACEMENT

Course **19250021**

Credits: 1

Grade: 9

GPA Level: 2

Recommendation or Prerequisite: None

#### ENGLISH I ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESL)

Course **19256511**

Credits: 1

Grade: 9-12

GPA Level: 1

Prerequisite:

- First year Immigrant students only (not born in the US)
- Limited proficiency in the English language as determined by a state approved language assessment
- Testing for placement is required and student must be receiving ESL services

The district provides a modified English I, English for limited English speaking students. This instruction seeks to provide functional ability in English in the skills of listening, speaking, reading, writing, and an awareness of various cultural patterns found in the United States while maintaining the rigor of English I and following the English I TEKS as mandated by the state. Testing for placement is required and students must receive ESL services to enroll in this class.

#### ENGLISH 1 – BLENDED

Course **19250037**

Credits: 1

Grade: 9

GPA Level: 1

Recommendation or Prerequisite: None

#### ENGLISH I G/T PRE-ADVANCED PLACEMENT

Course **19250117**

Credits: 1

Grade: 9

GPA Level: 2

Recommendation or Prerequisite: Qualified for G/T

#### NEWCOMERS ENGLISH LANGUAGE DEVELOPMENT (NELD A & B)

Course **19257811/19257911**

Credits: 1 Credit for each course

Grade: 9-12

GPA Level: 1

Prerequisite:

- First year Immigrant students only (not born in the US)
- Limited proficiency in the English language as determined by a state approved language assessment
- Testing for placement is required and student must be receiving ESL services

The district provides an accommodated English course specifically targeted and focused for Newcomer Limited English Proficient students. The instruction in this course is communicated, sequenced, and scaffolded according to the needs of the beginner student, and as defined by the English Language Proficiency Standards set forth by the state. Testing for placement is required and students must receive ESL services to enroll in this class. This course is taught as an all-year course



## **ENGLISH II COURSES**

### **SEE ENGLISH LANGUAGE ARTS COVER PAGE FOR ACADEMIC LEVELS**

In English II, students expand their skills in reading and writing through an integrated study of reading, writing, speaking, and purposeful collaboration. Students, both independently and collaboratively, will engage in ongoing inquiry and research processes; analyze texts across genres through a variety of critical lenses; establish meaningful positions through formal and informal writing; and have frequent opportunities to engage with a variety of self-selected texts that build their critical thinking skills and personal enjoyment for reading.

#### **ENGLISH II**

Course **19251000**

Credits: 1

Grade: 10

GPA Level: 1

Recommended Prerequisite: English I

#### **ENGLISH II – BLENDED**

Course **19251037**

Credits: 1

Grade: 10

GPA Level: 1

Recommended Prerequisite: English I

#### **ENGLISH II PRE-ADVANCED PLACEMENT**

Course **19251021**

Credits: 1

Grade: 10

GPA Level: 2

Recommended Prerequisite:  
English I or English I PAP

#### **ENGLISH II G/T PRE-ADVANCED PLACEMENT**

Course **19251117**

Credits: 1

Grade: 10

GPA Level: 2

Recommended Prerequisite: English I or English I PAP; Limited to students who formally qualified for Gifted/Talented Services in LISD.

#### **ENGLISH II FOR SPEAKERS OF OTHER LANGUAGES— ESOL II**

Course **19257011**

Credits: 1

Grade: 9-12

GPA Level: 1

Prerequisite:

- English I or ESOL I
- Limited proficiency in the English language as determined by a state approved language assessment
- Testing for placement is required and student must be receiving ESL services

The district provides a linguistically accommodated English II, English for Speakers of Other Languages (ESOL). This instruction seeks to further develop skills in English in the areas of listening, speaking, reading, writing, and an awareness of various cultural patterns found in the United States while maintaining the rigor of English II by following the English II TEKS and English Language Proficiency Standards as mandated by the state. Testing for placement is required and students must receive ESL services to enroll in this class.

#### **SOCIAL INTELLIGENCE FOR ESL**

Course 19257411

Credits: .5-1

Grade: 9-12

GPA Level: 1

Prerequisite:

- Must be participating in the ESL program and enrolled in ESOL 1 or ESOL 2

Co-requisite:

- Must be paired with ESOL I and/or ESOL II

This course provides ESL students with the necessary knowledge and skills required for successful adaptation to a new community and educational environment. Students will learn skills to navigate through social situations, such as conflict resolution, communication, decision making, and cultural awareness.

## ENGLISH III COURSES, SEE ENGLISH LANGUAGE ARTS COVER PAGE FOR ACADEMIC LEVELS

English III includes an integrated study of composition, rhetoric, and a particular focus on college-level reading analysis across genres. The course features extensive skill instruction in both research and writing. Students will also encounter frequent opportunities to engage with a variety of self-selected texts that build their critical thinking skills and personal enjoyment for reading.

### ENGLISH III

Course **19252000**

Credits: 1

Grade: 11

GPA Level: 1

Recommended Prerequisite: English I and English II

### ENGLISH III—VIRTUAL LEARNING

Course **19252020(A) / 19252120(B)**

Credits: 1

Grade: 11

GPA Level: 1

Recommended Prerequisite: English I and English II

### ENGLISH III ADVANCED PLACEMENT BLENDED

Course **19252037**

Credits: 1

Grade: 11

GPA Level: 3

Recommended Prerequisite: English I and English II; or English I PAP and English II PAP

### ENGLISH III DUAL CREDIT

Course **19251836(A)/19252936 (B)**

Credits: 1

Grade: 11

GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond

Recommended Prerequisite: English I and English II

This course is an intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Students develop research-based expository and persuasive texts. Emphasis on effective rhetorical choices and ethical inquiry, including audience, purpose, arrangement, and style, and utilizing 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. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.

**Students/Parents/Guardians are responsible for all registration, tuition, fees, and textbook costs. This course is equivalent to college level English 1301 and 1302, Composition I and II. If taken for English III credit it cannot be repeated for English IV credit.**

### ENGLISH III—BLENDED

Course **19252137**

Credits: 1

Grade: 11

GPA Level: 1

Recommended Prerequisite: English I and English II

### ENGLISH III G/T ADVANCED PLACEMENT OR ENGLISH III ADVANCED PLACEMENT

Course **19252115 OR 19252002**

Credits: 1

Grade: 11

GPA Level: 3

Recommended Prerequisite: English I/II or English I/II PAP  
G/T Course limited to students who formally qualified for Gifted/Talented Services in LISD

### ENGLISH III ADVANCED PLACEMENT—VIRTUAL LEARNING

Course **19251936(A)/19252036(B)**

Credits: 1

Grade: 11

GPA Level: 3

Recommended Prerequisite: English I and English II; or English I PAP and English II PAP

### ENGLISH III SHELTERED FOR SPEAKERS OF OTHER LANGUAGES

Course **19252011**

Credits: 1

GPA Level: 1

Grade: 9-12

Prerequisite:

- English I or ESOL I
- Limited proficiency in the English language as determined by a state approved language assessment
- Testing for placement is required and student must be receiving ESL services

Counts as English III for graduation requirements for English Learners  
The district provides a linguistically accommodated English III Sheltered course. This instruction seeks to further develop skills in English in the areas of listening, speaking, reading, writing, and an awareness of various cultural patterns found in the United States while maintaining the rigor of English III by following the English III TEKS and English Language Proficiency Standards as mandated by the state. Testing for placement is required and students must receiving ESL services to enroll in this class.

## ENGLISH IV COURSES, SEE ENGLISH LANGUAGE ARTS COVER PAGE FOR ACADEMIC LEVELS

English IV includes an integrated study of composition, rhetoric, and a particular focus on college-level reading analysis across genres. The course features extensive skill instruction in both research and writing. Students will also encounter frequent opportunities to engage with a variety of self-selected texts that build their critical thinking skills and personal enjoyment for reading.

### ENGLISH IV

Course **19253000**

Credits: 1

Grade: 12

GPA Level: 1

Recommended Prerequisite: English I, II, and III

### ENGLISH IV—VIRTUAL LEARNING

Course **19253090(A)/19253190(B)**

Credits: 1

Grade: 12

GPA Level: 1

Recommended Prerequisite: English I, II, and III

### ENGLISH IV ADVANCED PLACEMENT—VIRTUAL LEARNING

Course **19253290(A) / 19253590(B)**

Credits: 1

Grade: 12

GPA Level: 3

Recommended Prerequisite: English I, II, and III; or English I, II, and III PAP/AP

### ENGLISH IV, DUAL CREDIT

Course **19252136(A)/ 19252236 (B)**

Credits: 1

Grade: 12

GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond

Recommended Prerequisite: English I, II, and III

**Students/Parents/Guardians are responsible for all registration, tuition, fees, and textbook costs. This course is equivalent to college level English 1301 and 1302, Composition I and II. If taken for English III credit it cannot be repeated for English IV credit.**

### ENGLISH IV-BLENDED

Course **19253137**

Credits: 1

Grade: 12

GPA Level: 1

Recommended Prerequisite: English I, II, and III

### ENGLISH IV ADVANCED PLACEMENT OR ENGLISH IV G/T ADVANCED PLACEMENT

Course **19253002 OR 19253015**

Credits: 1

Grade: 12

GPA Level: 3

Recommended Prerequisite: English I, II, and III; or English I, II, and III PAP/AP

G/T Course limited to students who formally qualified for Gifted/Talented Services in LISD

### ENGLISH IV ADVANCED PLACEMENT--BLENDED

Course **19253237**

Credits: 1

Grade: 12

GPA Level: 3

Recommended Prerequisite: English I, II, and III; or English I, II, and III PAP/AP

### PRACTICAL WRITING/GRAMMAR FOR COLLEGE & WORK

Course **19255500**

Credits: 1

Grade: 12

GPA Level: 1

Recommended Prerequisite: An understanding of grammar beyond parts of speech and usage

Students engage in a concentrated study of the English language, including capitalization, punctuation, parts of speech, usage, and sentence structure. These skills are used in written compositions. These skills are developed and applied to college and workplace writing.

## ADVANCED ENGLISH ELECTIVES

Courses in this section may meet the 4<sup>th</sup> year of English credit. Students need one full credit of a 4<sup>th</sup> year of English by taking either an English IV course or one full credit of an Advanced English course. This can be completed by taking two .5-credit courses or a one-credit course. All courses in this section count toward GPA.

### CREATIVE WRITING

Course **19254000**

Credits: .5-1

Grade: 10-12

GPA Level: 1

Recommended Prerequisite: English I

The first nine weeks of Creative Writing focuses on writing for publication including fiction and non-fiction. Students apply techniques used by professional writers. For a full credit, students continue focusing on writing for professional publication and studying the creative process. Students receiving a full credit for completing eighteen weeks of course work.

### CREATIVE WRITING – VIRTUAL LEARNING

Course **19254190(A) / 19254290(B)**

Credits: .5-1

Grade: 10-12

GPA Level: 1

Recommended Prerequisite: English I

The first nine weeks of Creative Writing focuses on writing for publication and introduces the student to various writing choices in the areas of fiction and non-fiction. Students apply techniques used by professional writers and learn how to critique their work and the work of their peers. For a full credit, students continue focusing on writing for professional publication and studying the creative process. Students receive a full credit for completing eighteen weeks of course work. Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet face-to-face for collaboration, group work and personalized instruction.

### HUMANITIES-ELIZABETHAN AGE

Course **19254600(.5)/19254500(1.0)**

Credits: .5-1

Grade: 11-12

GPA Level: 1

Recommended Prerequisite: English I and II

This interdisciplinary course focuses on the Elizabethan Period in Great Britain. Students study a variety of Shakespearean plays and sonnets, as well as their ties to art, music, poetry and history of the time period.

### LITERARY GENRES/SCIENCE FICTION STUDIES

Course **19255000**

Credits: .5

Grade: 9-12

GPA Level: 1

Recommended Prerequisite: Students must be willing to read extensively, think critically, and participate actively in class.

Students read, analyze, and compare selections that show the historical development of science fiction. Students will study elements of various genres within science fiction.

### LITERARY GENRES-MULTICULTURAL LITERATURE

Course **1925600**

Credits: .5

Grade: 9-12

GPA Level: 1

Recommended Prerequisite: Students must be willing to read extensively, think critically, and participate actively in class.

Students read works of significant writers and study their themes and literary traditions, including elements of various literary genres. Special attention will be given to African, Hispanic, and Asian literature.

### INDEPENDENT STUDY IN ENGLISH: HEBREW SCRIPTURES (BIBLE LITERACY)

Course **19254400**

Credits: .5

Grade: 12

GPA Level: 1

Recommended Prerequisite: English I, II, and III

This course will follow federal law maintaining religious neutrality, and will consider the Bible in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding contemporary society and culture, including literature, art, music, tradition, and public policy. It will familiarize students with the Hebrew Scriptures and their influence on law, history, government, literature, art, music, customs, and culture. This course is not available at all campuses.

**INDEPENDENT STUDY IN ENGLISH:  
NEW TESTAMENT (BIBLE  
LITERACY)**

Course **19254800**

Credits: .5

Grade: 12

GPA Level: 1

Recommended Prerequisite: English I, II, and III

This course will follow federal law maintaining religious neutrality, and will consider the Bible in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding contemporary society and culture, including literature, art, music, tradition, and public policy. It will familiarize students with the New Testament and its influence on law, history, government, literature, art, music, customs, and culture. This course is not available at all campuses.

**ADVANCED JOURNALISM –  
YEARBOOK PRODUCTION III**

Course **19AE1500**

Credits: 1

Grade: 10-12

GPA Level: 1

Recommended Prerequisite: Advanced Journalism – Yearbook Production I & II, Teacher Approval

This course includes activities individually designed for students whose levels of achievement in magazine journalism allow them to pursue work individually or in small groups, with the teacher serving as advisor and resource person. It deals with the study of the characteristics of magazine and student yearbook pages, style sheets, and copy reading/proofreading symbols. Skills from Production II are also enhanced. The course pursues the study of basic management concepts, time management, and organizational planning. This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities. Out-of-class time work is required.

**ADVANCED JOURNALISM-  
NEWSPAPER PRODUCTION III**

Course **19AE3000**

Credits: 1

Grade: 11-12

GPA Level: 1

Recommended Prerequisite: Advanced Journalism – Newspaper Production I & II, Teacher approval

This course includes activities individually designed for students whose levels of achievement in newspaper journalism allow them to pursue work individually or in small groups, with the teacher serving as advisor and resource person. It deals with the study of the characteristics of newspaper pages, style sheets, and copy reading/proofreading symbols. This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities. Out-of-class time work is required.

**ADVANCED JOURNALISM-  
BROADCAST III**

Course **19AE5700**

Credits: 1

Grade: 12

GPA Level: 1

Recommended Prerequisite: Instructor Approval

Students will learn advanced elements of broadcast journalism. Students will produce programs on a regular basis. Out-of-class time is required.

**PUBLIC SPEAKING III**

Course **19AE2000**

Credits: 1

Grade: 11-12

GPA Level: 1

Recommended Prerequisite: Public Speaking I & II

This is a course for students in speech whose interests lie in developing confidence and style in public speaking. Tournament participation is required.

**DEBATE III**

Course **19AE3500**

Credits: 1

Grade: 11-12

GPA Level: 1

Recommended Prerequisite: Debate I & II, Teacher Approval

This course is for the third-year student in debate. The National Political Debate Topic, Texas Forensic Association (TFA), National Forensic League (NFL), and Lincoln-Douglas topics as selected are the basis for debate experience. Participation in individual speaking and debate contests is required; regional and state Mock Trial Competition is optional.

**INDEPENDENT STUDY SPEECH**

Course **19AE0400**

This course allows students to develop and participate in an individualized plan to enhance speech communication skills by applying public speaking,

Credits: 1  
Grade: 12  
GPA Level: 1  
Recommended Prerequisite: Teacher approval

**INDEPENDENT STUDY JOURNALISM**

Course **19AE1100**

Credits: 1  
Grade: 12  
GPA Level: 1  
Recommended Prerequisite: Teacher approval and completion of Advanced Journalism – Newspaper Production III, Advanced Journalism – Yearbook Production III, or Advanced Journalism – Newspaper Production III

**COLLEGE PREPARATORY ENGLISH**

Course **19261300**

Credits: 1  
Grade: 12  
GPA Level: 1  
Recommended Prerequisite: See Course Description

oral interpretation, or debate skills to public performances. Presentation outlets may be academic-, community-, or competition-based with teacher approval. External performance is required. May be repeated for credit.

This course develops skills in news judgment, fact gathering, photography, headline and caption writing, graphic design and layout, proofing, and editing. This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities. Out-of-class time work is required.

This course is intended for 12th grade students whose performance on an EOC exam does not meet college readiness standards, or coursework; college entrance exam, or higher education screener indicates the student is not ready for college-ready coursework. College Prep English is designed to help students meet college entrance requirements (TSI testing) and to be ready for entry-level college ELA coursework. Students will engage in a concentrated study of analytical reading and writing processes to prepare for career and college opportunities. Instruction in this course will align to the Texas Career and College Readiness Standards (CCRS), the Texas Essential Knowledge and Skills (TEKS) of English IV, as well as Texas Success Initiative Framework for College Reading. This course may count as an Advanced English credit to earn an endorsement under the Foundation High School Program.

**COMMUNICATION APPLICATION—  
VIRTUAL LEARNING**

Course: 19AE0020 or 19AE0090

Credits: .5  
Grade: 9-12  
GPA Level: 1  
Recommended Prerequisite: None

Students enrolled in Communication Applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

# MATHEMATICS

LISD COURSE #	COURSE	GRADE	CREDIT
29330100	ALGEBRA I AB AY	9-10	1
29330210	ALGEBRA I AB ENRICHMENT AY	9-10	1 LOCAL
29331000	ALGEBRA I	9-10	1
29331021	ALGEBRA I PRE-ADVANCED PLACEMENT	9	1
29331090(A)/29331190(B)	ALGEBRA I VIRTUAL LEARNING	9-10	1
29331600	GEOMETRY AB AY	10	1
29331610	GEOMETRY AB ENRICHMENT AY	10	1 LOCAL
29331500	GEOMETRY	9-11	1
29331521	GEOMETRY PRE-ADVANCED PLACEMENT	9-10	1
29331517	GEOMETRY G/T PRE-ADVANCED PLACEMENT	9-10	1
29331537	GEOMETRY PRE-ADVANCED PLACEMENT – BLENDED	9-10	1
29331590(A)/29331690(B)	GEOMETRY VIRTUAL LEARNING	9-11	1
29336000	MATHEMATICAL MODELS WITH APPLICATIONS	10-12	1
29332500	ALGEBRA II	10-12	1
29332537	ALGEBRA II – BLENDED	11-12	1
29332521	ALGEBRA II PRE-ADVANCED PLACEMENT	10-11	1
29332090(A)/29332190(B)	ALGEBRA II VIRTUAL LEARNING	10-12	1
29261300	FOUNDATIONS FOR COLLEGE MATHEMATICS	11-12	1
29261337	FOUNDATIONS FOR COLLEGE MATHEMATICS – BLENDED	11-12	1
29339236	INDEPENDENT STUDY MATH DUAL CREDIT (COLLEGE ALGEBRA – MATH 1314)	11-12	0.5
29333500	PRECALCULUS	11-12	1
29333537	PRECALCULUS – BLENDED	11-12	1
29333521	PRECALCULUS PRE-ADVANCED PLACEMENT	10-12	1
29333517	PRECALCULUS G/T PRE-ADVANCED PLACEMENT	10-12	1
29343390(A)/29343490(B)	PRECALCULUS VIRTUAL LEARNING	11-12	1
29333636	PRECALCULUS A DUAL CREDIT (PRECALCULUS – MATH 2412)	11-12	0.5
29333536	PRECALCULUS B DUAL CREDIT (TRIGONOMETRY – MATH 1316)	11-12	0.5
29334502	CALCULUS AB ADVANCED PLACEMENT	11-12	1
29334515	CALCULUS AB G/T ADVANCED PLACEMENT	11-12	1
29335002	CALCULUS BC ADVANCED PLACEMENT	11-12	1
29334736	INDEPENDENT STUDY MATH DUAL CREDIT (CALCULUS I – MATH 2413)	11-12	0.5
29334536	INDEPENDENT STUDY MATH DUAL CREDIT (CALCULUS FOR BUSINESS & SOCIAL SCIENCES – MATH 1325)	11-12	0.5
29335500	STATISTICS	11-12	1
29335502	STATISTICS ADVANCED PLACEMENT	11-12	1
79162336	STATISTICS AND RISK MANAGEMENT DUAL CREDIT (ELEMENTARY STATISTICAL METHODS-MATH 1342)	11-12	0.5
29334436	INDEPENDENT STUDY MATH DUAL CREDIT (MATH FOR BUSINESS & SOCIAL SCIENCES-MATH 1324)	11-12	0.5
29334636	INDEPENDENT STUDY MATH DUAL CREDIT (CONTEMPORARY MATHEMATICS-MATH 1332)	11-12	0.5
79168602	COMPUTER SCIENCE I ADVANCED PLACEMENT	11-12	1
79810700	ENGINEERING MATHEMATICS	11-12	1

## MATHEMATICS COURSE DESCRIPTIONS

### **ALGEBRA 1 AB AY/ ALGEBRA 1 AB ENRICH AY (All Year)**

29330100/29330210

Credits: 1 state/1 local elective

Grade: 9-10

GPA Level: 1

Prerequisite: Grade 8 Mathematics

Recommendation: Teacher

Recommendation Only

Algebra AB AY is an all year, 36-week, course combined with an enrichment focused on the foundational concepts for Algebra. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).

### **ALGEBRA I**

29331000

Credits: 1

Grade: 9-10

GPA Level: 1

Prerequisite: Grade 8 Mathematics

In Algebra I, students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).

### **ALGEBRA I PRE-ADVANCED PLACEMENT**

29331021

Credits: 1

Grade: 9

GPA Level: 2

Prerequisite: Grade 8 Mathematics

Algebra I Pre-Advanced Placement is an enriched Algebra I, which moves at a faster pace and is designed to provide critical thinking and processing skills necessary to be successful in Advanced Placement Calculus. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).

### **ALGEBRA I – VIRTUAL LEARNING**

29331090(A)/29331190(B)

Credits: 1

Grade: 9-10

GPA Level: 1

Prerequisite: Grade 8 Mathematics

In Algebra I, students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent). Instruction and content are delivered primarily over the Internet. Students may have opportunities to meet with their instructor for personalized instruction. Students do not have to be physically present on campus to take an online course.

### **GEOMETRY AB AY / GEOMETRY AB ENRICHMENT (All Year)**

29331600/29331610

Credits: 1 state/1 local elective

Grade: 10

GPA Level: 1

Prerequisite: Algebra 1

Geometry AB is an all year, 36-week, course combined with an enrichment focused on foundational concepts for Geometry. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).

### **GEOMETRY**

29331500

Credits: 1

Grade: 9-11

GPA Level: 1

Prerequisite: Algebra 1

In Geometry, students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).



**GEOMETRY PRE-ADVANCED  
PLACEMENT  
-OR-  
GEOMETRY G/T PRE-  
ADVANCED PLACEMENT**

29331521/29331517

Credits: 1

Grade: 9-10

GPA Level: 2

Prerequisite: Algebra 1

Geometry Pre-Advanced Placement is an enriched Geometry, which moves at a faster pace and is designed to provide critical thinking and processing skills necessary to be successful in Advanced Placement Calculus. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent). Enrollment in designated G/T courses will be limited to students who formally qualified for Gifted and Talented Services in LISD. If a G/T course does not meet minimum enrollment requirements, it may need to be combined with the PAP/AP course offering.

**GEOMETRY PRE-ADVANCED  
PLACEMENT - BLENDED**

29331537

Credits: 1

Grade: 9-10

GPA Level: 2

Prerequisite: Algebra 1

Geometry Pre-Advanced Placement is an enriched Geometry, which moves at a faster pace and is designed to provide critical thinking and processing skills necessary to be successful in Advanced Placement Calculus. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent). This blended model offers students the opportunity to experience the benefits of blended learning while remaining on campus. Students meet as a class two to three days a week with their teacher and have opportunities to work collaboratively and independently in flexible learning spaces throughout the campus primarily through digital content delivered over the Internet. Students may also meet individually and in small groups with their teachers on independent learning days for personalized instruction. This course may not be offered on all campuses.

**GEOMETRY – VIRTUAL  
LEARNING**

29331590(A)/29331690(B)

Credits: 1

Grade: 9-11

GPA Level: 1

Prerequisite: Algebra 1

In Geometry, students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent). Instruction and content are delivered primarily over the Internet. Students may have opportunities to meet with their instructor for personalized instruction. Students do not have to be physically present on campus to take an online course.

**MATHEMATICAL MODELS  
WITH APPLICATIONS**

29336000

Credits: 1

Grade: 11-12

GPA Level: 1

Prerequisite: Algebra 1

Recommendation: Geometry

In Mathematical Models with Applications, students will use a mathematical modeling cycle to analyze problems, understand problems better, and improve decisions. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences.

**ALGEBRA II**

29332500

Credits: 1

Grade: 10-12

GPA Level: 1

Prerequisite: Algebra 1

Recommendation: Geometry

In Algebra II, students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).

**ALGEBRA II – BLENDED**

29332537

Credits: 1

Grade: 11-12

GPA Level: 1

Prerequisite: Algebra 1

Recommendation: Geometry

In Algebra II, students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent). Students meet as a class two to three days a week with their teacher and have opportunities to work collaboratively and independently in flexible learning spaces throughout the campus primarily through digital content delivered over the Internet. Students may also meet individually and in small groups with their teachers on independent learning days for personalized instruction. This course may not be offered on all campuses.

**ALGEBRA II PRE-ADVANCED PLACEMENT**

29332521

Credits: 1

Grade: 10-11

GPA Level: 2

Prerequisite: Algebra 1

Recommendation: Geometry

Algebra II Pre-Advanced Placement is an enriched Algebra II, which moves at a faster pace and is designed to provide critical thinking and processing skills necessary to be successful in Advanced Placement Calculus. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).

**ALGEBRA II-VIRTUAL LEARNING**

29332090(A) / 29332190(B)

Credits: 1

Grade: 10-12

GPA Level: 1

Prerequisite: Algebra 1

Recommendation: Geometry

In Algebra II, students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Instruction and content are delivered primarily over the Internet. Students may have opportunities to meet with their instructor for personalized instruction. Students do not have to be physically present on campus to take an online course.

**FOUNDATIONS FOR COLLEGE MATHEMATICS (COLLEGE PREP MATH)**

29261300

Credits: 1

Grade: 12

GPA Level: 1

Prerequisite: Geometry &amp; Algebra 2

Students will study linear, quadratic, polynomial, rational and radical expressions, equations, and functions as well as probability and statistics. Foundations for College Math is designed to help students meet college entrance requirements (TSI testing) and to be ready for entry-level college math coursework.

**FOUNDATIONS FOR COLLEGE MATHEMATICS (COLLEGE PREP MATH)- BLENDED**

29261337

Credits: 1

Grade: 12

GPA Level: 1

Prerequisite: Geometry &amp; Algebra 2

Students will study linear, quadratic, polynomial, rational and radical expressions, equations, and functions as well as probability and statistics. Foundations for College Math is designed to help students meet college entrance requirements (TSI testing) and to be ready for entry-level college math coursework. Students meet as a class two to three days a week with their teacher and have opportunities to work collaboratively and independently in flexible learning spaces throughout the campus primarily through digital content delivered over the Internet. Students may also meet individually and in small groups with their teachers on independent learning days for personalized instruction. This course may not be offered on all campuses.

**INDEPENDENT STUDY MATH  
DUAL CREDIT (COLLEGE  
ALGEBRA-MATH 1314)**

29339236

Credits: 0.5

Grade: 11-12

GPA Level: 2 for Class of  
2019/2020; 3 for Class of 2021 and  
beyond

Prerequisite: TSI College Readiness  
Standard for Mathematics

This course is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. Students/Parents/Guardians are responsible for tuition, fees, and textbook costs. This course is equivalent to College Algebra (MATH 1314). Students on free/reduced lunch are not charged tuition for dual credit courses.

**PRECALCULUS**

29333500

Credits: 1

Grade: 11-12

GPA Level: 1

Prerequisite: Algebra 1, Geometry,  
Algebra 2

Precalculus is the preparation for calculus. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with Algebra and Trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).

**PRECALCULUS - BLENDED**

29333537

Credits: 1

Grade: 11-12

GPA Level: 1

Prerequisite: Algebra 1, Geometry,  
Algebra 2

Precalculus is the preparation for Calculus. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with Algebra and Trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent). Students meet as a class two to three days a week with their teacher and have opportunities to work collaboratively and independently in flexible learning spaces throughout the campus primarily through digital content delivered over the Internet. Students may also meet individually and in small groups with their teachers on independent learning days for personalized instruction. This course may not be offered on all campuses.

**PRECALCULUS PRE-  
ADVANCED PLACEMENT  
-OR-  
PRECALCULUS G/T PRE-  
ADVANCED PLACEMENT**

29333521/29333517

Credits: 1

Grade: 10-12

GPA Level: 2

Prerequisite: Algebra 1, Geometry,  
Algebra 2

Precalculus Pre-Advanced Placement is designed to provide critical processing skills necessary for success in Advanced Placement Calculus. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with Algebra and Trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent). Enrollment in designated G/T courses will be limited to students who formally qualified for Gifted and Talented Services in LISD. If a G/T course does not meet minimum enrollment requirements, it may need to be combined with the PAP/AP course offering.

**PRECALCULUS – VIRTUAL  
LEARNING**

29343390(A)/29343490(B)

Credits: 1

Grade: 11-12

GPA Level: 1

Prerequisite: Algebra 1, Geometry,  
Algebra 2

Precalculus is the preparation for Calculus. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with Algebra and Trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent). Instruction and content are delivered primarily over the Internet. Students may have opportunities to meet with their instructor for personalized instruction. Students do not have to be physically present on campus to take an online course.

**PRECALCULUS A DUAL CREDIT, (PRECALCULUS-MATH 2412)**

29333636

Credits: 0.5

Grade: 11-12

GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond

Prerequisite: MATH 1314 or ACT, SAT or placement test scores determined by NCTC Math Dept

Precalculus A Dual Credit is an in-depth combined study of Algebra, Trigonometry, and other topics for Calculus readiness.

This course is equivalent to Precalculus (MATH 2412).

Students/Parents/Guardians are responsible for tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses.

**PRECALCULUS B DUAL CREDIT, (TRIGONOMETRY-MATH 1316)**

29333536

Credits: 0.5

Grade: 11-12

GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond

Prerequisite: MATH 1314 or ACT, SAT or placement test scores determined by NCTC Math Dept

Precalculus B Dual Credit is an in-depth study and applications of Trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included.

This course is equivalent to Trigonometry (MATH 1316).

Students/Parents/Guardians are responsible for tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses.

**CALCULUS AB ADVANCED PLACEMENT -OR- CALCULUS AB G/T ADVANCED PLACEMENT**

29334502/29334515

Credits: 1

Grade: 11-12

GPA Level: 3

Prerequisite: PreCalculus or PreAP PreCalculus

Calculus (AB) Advanced Placement is the study of introductory differential and integral calculus. Participation in the Advanced Placement examination for a possibility of 3 hours college credit is advised. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent). Enrollment in designated G/T courses will be limited to students who formally qualified for Gifted and Talented Services in LISD. If a G/T course does not meet minimum enrollment requirements, it may need to be combined with the PAP/AP course offering.

**CALCULUS BC ADVANCED PLACEMENT**

29335002

Credits: 1

Grade: 11-12

GPA Level: 3

Prerequisite: Calculus (AB) Advanced Placement

Calculus (BC) Advanced Placement is an enhancement of the topics of Calculus (AB) Advanced Placement with the addition of advanced topics in integral calculus and sequences and series. Participation in the Advanced Placement examination for a possibility of 6 hours college credit is advised. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).

**INDEPENDENT STUDY MATH  
DUAL CREDIT (CALCULUS I-  
MATH 2413)**

29334736

Credits: 0.5

Grade: 11-12

GPA Level: 2 for Class of  
2019/2020; 3 for Class of 2021 and  
beyond

Prerequisite: Math 2412 OR both  
Math 1314 AND Math 1316, OR  
placement score required by NCTC  
Math Department

Students will study limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions; with an application to calculation of areas.

This course is equivalent to Calculus I (MATH 2413).

Students/Parents/Guardians are responsible for tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses.

**INDEPENDENT STUDY MATH  
DUAL CREDIT (CALCULUS  
FOR BUSINESS & SOCIAL  
SCIENCES-MATH 1325)**

29334536

Credits: 0.5

Grade: 11-12

GPA Level: 2 for Class of  
2019/2020; 3 for Class of 2021 and  
beyond

Prerequisite: Math 1314 or Math  
1324

This course is the basic study of limits and continuity, differentiation, optimization, and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences.

This course is equivalent to Calculus for Business & Social Sciences (MATH 1325). Students/Parents/Guardians are responsible for tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses.

**STATISTICS**

29335500

Credits: 1

Grade: 11-12

GPA Level: 1

Prerequisite: Algebra 1

Recommendation: Geometry

In this course 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 and will extend their knowledge of data analysis. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).

**STATISTICS ADVANCED  
PLACEMENT**

29335502

Credits: 1

Grade: 11-12

GPA Level: 3

Prerequisite: Geometry & Algebra II

Statistics Advanced Placement is an enriched Statistics, which moves at a faster pace and is designed to provide critical thinking and processing skills necessary to give students a working understanding of 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 and will extend their knowledge of data analysis. Participation in the Advanced Placement examination for a possibility of 3 hours college credit is advised. Students are encouraged to have a graphing calculator TI-83/TI-84 (or equivalent).

**STATISTICS AND RISK MANAGEMENT DUAL CREDIT (ELEMENTARY STATISTICAL METHODS-MATH 1342)**

79162336

Credits: 0.5

Grade: 11-12

GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond

Prerequisite: TSI college readiness standard for mathematics

Statistics and Risk Management Dual Credit studies collection, analysis, presentation, and interpretation of data and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.

This course is equivalent to Elementary Statistical Methods (MATH 1342). Students/Parents/Guardians are responsible for tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses.

**INDEPENDENT STUDY MATH DUAL CREDIT (MATH FOR BUSINESS & SOCIAL SCIENCES-MATH 1324)**

29334436

Credits: 0.5

Grade: 11-12

GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond

Prerequisite: TSI college readiness standard for mathematics

Students in this course will study the application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

This course is equivalent to Math for Business & Social Sciences (MATH 1324). Students/Parents/Guardians are responsible for tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses.

**INDEPENDENT STUDY MATH DUAL CREDIT (CONTEMPORARY MATHEMATICS-MATH 1332)**

29334636

Credits: 0.5

Grade: 11-12

GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond

Prerequisite: TSI college readiness standard for mathematics

Topics may include introductory treatments of sets, logic, number systems, number theory, relations, functions, probability and statistics. Appropriate applications are included. This course is equivalent to Contemporary Mathematics (MATH 1332). Students/Parents/Guardians are responsible for tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses.

**COMPUTER SCIENCE I ADVANCED PLACEMENT**

79168602

Credits: 1

Grade: 11-12

GPA Level: 3

Prerequisite: Advanced Computer Programming

Computer Science I AP continues the study begun in Advanced Computer Programming and will prepare students for the Advanced Placement Examination in Computer Science. The course is designed for students who are interested in majoring in Engineering, Mathematics, Science, or Computer Science. Topics include advanced data structures, sorting, searching algorithms, dynamic memory allocation, algorithmic analysis, and Object Oriented Programming. JAVA is the language used for completing the program assignments. Prerequisites include successful completion of Advanced Computer Programming and strong programming skills.

**ENGINEERING MATHEMATICS**

79810700

Credits: 1

Grade: 11-12

GPA Level: 2

Prerequisite: Algebra 2

Engineering Mathematics is a course where students solve and model robotic design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.

# SCIENCE

LISD COURSE #	COURSE	GRADE	CREDITS
39530000	BIOLOGY	9-10	1
39530021	PREAP BIOLOGY	9-10	1
39536002	AP BIOLOGY	9-12	1
39541802	SCIENTIFIC RESEARCH AND DESIGN		.5
39540600	AP TEST PREP		.5 LOCAL
39533500	ANATOMY AND PHYSIOLOGY	11-12	1
39533536	ANATOMY AND PHYSIOLOGY SEMESTER A DUAL CREDIT	11-12	.5
39533636	ANATOMY AND PHYSIOLOGY SEMESTER B DUAL CREDIT	11-12	.5
39535000	AQUATIC SCIENCE	11-12	1
39534000	ENVIRONMENTAL SYSTEMS	11-12	1
39540002	AP ENVIRONMENTAL SCIENCE	11-12	1
39538500	MEDICAL MICROBIOLOGY	11-12	.5
39539500	PATHOPHYSIOLOGY	11-12	.5
79730600	ADVANCED ANIMAL SCIENCE	11-12	1
79752600	FOOD SCIENCE	11-12	1
79730700	ADVANCED PLANT AND SOIL SCIENCE	11-12	1
39531000	INTEGRATED PHYSICS AND CHEMISTRY	10-12	1
39531500	CHEMISTRY	10-12	1
39531520(A) 39531620(B)	CHEMISTRY-VIRTUAL LEARNING	10-12	1
39531521	PREAP CHEMISTRY	10-12	1
39531517	PREAP/GT CHEMISTRY	10-12	1
39537002	AP CHEMISTRY	10-12	1
39541902	SCIENTIFIC RESEARCH AND DESIGN		.5 Local
39540800	AP CHEM TEST PREP		.5 LOCAL
39532500	PHYSICS	10-12	1
39532521	PREAP PHYSICS	10-12	1
39532537	PHYSICS BLENDED	11-12	1
39537702	AP PHYSICS I	10-12	1
39537802	AP PHYSICS II	10-12	1
39538302	AP PHYSICS C – MECHANICS	11-12	1
39538202	AP PHYSICS C – ELECTRICITY AND MAGNETISM	11-12	1
39534600	EARTH AND SPACE SCIENCE	11-12	1
39539000	ASTRONOMY	11-12	1
89805100	FORENSIC SCIENCE	10-12	1

# SCIENCE COURSES

## BIOLOGY

39530000

Credits: 1

Grade: 9-10

GPA Level: 1

Recommendation or Prerequisite: None

This is an introductory course in biology and is divided into two parts — cellular biology and living systems.

## CONTENT-BASED ESOL FOR SCIENCE (ESOL-SCI)

39544511

Credits: .5-1

Grade: 9-10

GPA Level: 1

Prerequisite:

- English I or ESOL I
- Limited proficiency in the English language as determined by a state approved language assessment
- Testing for placement is required and student must be receiving ESL services

This ESOL science course will support ESL students' development of the essential English vocabulary and language skills needed to learn science content and will familiarize students with basic science content and processes.

Co-requisite:

- Must be paired with ESOL I and/or ESOL II

## PREAP BIOLOGY

39530021

Credits: 1

Grade: 9-10

GPA Level: 2

Recommendation or Prerequisite: None

This is an introductory course in biology and is divided into two parts — cellular biology and living systems. For PreAP, this introductory course is inquiry-based and much more challenging, rigorous, and in-depth than biology. A strand of study is included to help prepare students to take Advanced Placement Biology.

## AP BIOLOGY SCIENTIFIC RESEARCH & DESIGN TEST PREP

39536002/39541802/39540600

Credits: 1, 0.5, 0.5 (Local Credit)

Grade: 9-12

GPA Level: 3 (AP Bio, SR&D)

Recommendation: Biology, Chemistry

This 36-week advanced-level course is designed to provide a comprehensive first-year college-level biology experience. Emphasis is on preparation for the Advanced Placement Biology exam. Taking the test is encouraged. This course is taught as an all-year course and students must register for all courses listed.

## ANATOMY & PHYSIOLOGY

39533500

Credits: 1

Grade: 11-12

GPA Level: 1

Recommendation: Biology OR PreAP Biology

Basic genetics, embryology, and functions of key human physical systems are studied in this course.

## ANATOMY & PHYSIOLOGY SEMESTER A DUAL CREDIT

39533536

Credits: .5

Grade: 11-12

GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond

Recommendation: Biology OR PreAP Biology

A study of the structure and function of human anatomy, including the neuroendocrine, integumentary, and musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems. Content may be either integrated or specialized.

**Students/Parents/Guardians are responsible for registration, tuition, fees, and textbook costs. Counts for BIOL 2401.**



## **ANATOMY & PHYSIOLOGY SEMESTER B DUAL CREDIT**

39533636

Credits: .5

Grade: 11-12

GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond

Recommendation: Biology OR PreAP Biology

A study of the structure and function of human anatomy, including the neuroendocrine, integumentary, and musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems. Content may be either integrated or specialized. **A continuation of BIOL 2401. Students/Parents/Guardians are responsible for registration, tuition, fees, and textbook costs. Counts for BIOL 2402.**

## **AQUATIC SCIENCE**

39535000

Credits: 1

Grade: 11-12

GPA Level: 1

Recommendation or Prerequisite: None

This course provides an understanding and awareness of fresh and salt water systems. Topics of study include: aquatic ecosystems and their habitats; cycles within aquatic environments and adaptations of aquatic organisms to change; watersheds; and geological/fluid dynamic phenomena and their effects.

## **ENVIRONMENTAL SYSTEMS**

39534000

Credits: 1

Grade: 11-12

GPA Level: 1

Recommendation or Prerequisite: one unit high school life science and one unit of high school physical science

This course addresses the fragile interrelationship of man and his surroundings. Emphasis is placed on ways to improve that coexistence. Topics for study include biotic/abiotic habitats, ecosystems, biomes resources/environmental systems interactions, sources/flow of energy in the environment, and changes in the environment.

## **AP ENVIRONMENTAL SCIENCE**

39540002

Credits: 1

Grade: 11-12

GPA Level: 3

Recommendation or Prerequisite: None

This advanced-level course is designed to provide a comprehensive college-level experience in environmental systems. Emphasis is on preparation for the Advanced Placement Environmental Science exam.

Taking the AP test is encouraged.

## **MEDICAL MICROBIOLOGY**

39538500

Credits: .5

Grade: 11-12

GPA Level: 1

Recommendation: Biology OR PreAP Biology

This course offers an in-depth study of viruses, bacteria, fungi, and protists. Emphasis is on the knowledge of relationships between microbes and health maintenance and the role of microbes in infectious disease.

## **PATHOPHYSIOLOGY**

39539500

Credits: .5

Grade: 11-12

GPA Level: 1

Recommendation: Biology OR PreAP Biology

This course offers a study in the mechanisms and processes of pathology. Emphasis will be placed on knowing a variety of human diseases and the effects of disease prevention and control.

## **ADVANCED ANIMAL SCIENCE**

79730600

Credits: 1 (qualifies for a Science credit)

Grade: 11-12

GPA Level: 1

Recommendation: Principles of Agriculture, Food & Natural Resources, Livestock Production (Animal Science), Equine Science

Advanced Animal Science demonstrates principles relating to the interrelated human, scientific, and technological dimensions of animal agriculture and the resources necessary for producing domesticated animals; applies the principles of genetics and breeding to livestock improvement; examines animal anatomy and physiology in livestock species; recognizes policies and issues in animal science; discusses slaughter livestock operations; and explores methods of marketing livestock.

## **FOOD SCIENCE**

79752600

Credits: 1

Grade: 11-12

GPA Level: 1

Recommendation: Three units of science including Biology and Chemistry

Students will investigate how food science is an integral part of our daily lives. Students will study how to convert raw agriculture or farm products to products found in supermarkets. Investigations are used to learn the components of raw product handling, analytical methods, food microbiology, food chemistry and food processing. Supply and material fees may be required.

## **ADVANCED PLANT & SOIL SCIENCE**

79730700

Credits: 1

Grade: 11-12

GPA Level: 1

Recommendation: Principles of Agriculture, Food & Natural Resources, Principles & Elements of Floral Design, Landscape Design & Turf Grass Management, Horticultural Science

Advanced Plant and Soil Science identifies skills relating to the interrelated human, scientific, and technological dimensions of crop production and the resources necessary for producing domesticated plants, identifies key factors in large-scale agricultural production, and develops scenarios for advances in plant and soil science. This course counts as a 3rd/4th science course on the FHSP.

## **INTEGRATED PHYSICS & CHEMISTRY (IPC)**

39531000

Credits: 1

Grade: 10-12

GPA Level: 1

Recommendation: Biology

This is an introductory course in the study of the basic principles of chemistry and elementary physics. Some universities may not recognize this course for science credit.

## **CHEMISTRY**

39531500

Credits: 1

Grade: 10-12

GPA Level: 1

Prerequisite: One Unit of High School Science (Biology OR Biology Pre-AP), Successful completion of Algebra 1

This basic course covers the composition of substances and the changes they undergo. To be successful in this class, the student needs to have a working knowledge of algebra and geometry.

## **PREAP CHEMISTRY**

39531521

Credits: 1

Grade: 10-12

GPA Level: 2

Prerequisite: One Unit of High School Science (Biology OR Biology Pre-AP), Successful completion of Algebra 1

For PreAP, this first year chemistry course is inquiry-based and much more challenging, rigorous, and in-depth than Chemistry. A strand of study is included to help prepare students to take Advanced Placement Chemistry.

## **G/T PREAP CHEMISTRY**

39531517

Credits: 1

Grade: 10-12

GPA Level: 2

Prerequisite: One Unit of High School Science (Biology OR Biology Pre-AP), Successful completion of Algebra 1

For G/T PreAP, enrollment in designated G/T courses will be limited to students who formally qualified for Gifted and Talented Services in LISD. If a G/T course does not meet minimum enrollment requirements, it may need to be combined with the PAP/AP course offering. This first year chemistry course is inquiry-based and much more challenging, rigorous, and in-depth than Chemistry. A strand of study is included to help prepare students to take Advanced Placement Chemistry.

## **AP CHEMISTRY**

### **SCIENTIFIC RESEARCH & DESIGN**

### **TEST PREP**

39537002

39541902

39540800

Credits: 1, .5, (Local Credit) .5 (Local Credit)

Grade: 10-12

GPA Level: 3 (AP Chem, SR&D)

Recommendation: Chemistry, Algebra II

This 36 week advanced-level course is designed to provide a comprehensive first-year college-level chemistry experience. Emphasis is placed on preparation for the Advanced Placement Chemistry exam. Taking the test is encouraged. This course is taught as an all-year course and students must register for all courses listed above.

## CHEMISTRY VIRTUAL LEARNING

39531520(A) 39531620(B)

Credits: 1

Grade: 10-12

GPA Level: 1

Prerequisite: One Unit of High School Science (Biology OR Biology Pre-AP), Successful completion of Algebra 1

This basic course covers the composition of substances and the changes they undergo. Emphasis is on the scientific method. To be successful in this class, the student needs to have a working knowledge of algebra and geometry. Instruction is delivered online.

## PHYSICS

39532500

Credits: 1

Grade: 10-12

GPA Level: 1

Recommendation: Biology OR PreAP Biology

Physics is an introductory study of the relationship of matter and energy. Emphasis is on application. To be successful in this class, a student needs to have a working knowledge of algebra and geometry.

## PREAP PHYSICS

39532521

Credits: 1

Grade: 10-12

GPA Level: 2

Recommendation: Biology OR Biology Pre-Advanced Placement, Algebra II or concurrent enrollment is beneficial.

For PreAP, this introductory physics course is inquiry-based and much more challenging, rigorous, and in-depth than Physics. A strand of study is included to help prepare students to take Advanced Placement Physics 2.

## PHYSICS-BLENDED

39532537

Credits: 1

Grade: 11-12

GPA Level: 1

Recommendation: Biology OR PreAP Biology

Physics is an introductory study of the relationship of matter and energy. Emphasis is on application. To be successful in this class, a student needs to have a working knowledge of algebra and geometry. Instruction and content are delivered primarily over the Internet, and students meet twice a week on campus for collaboration, group work, practice and personalized instruction. This course may not be available on all campuses.

## AP PHYSICS 1

### ALGEBRA-BASED

39537702

Credits: 1

Grade: 10-12

GPA Level: 3

Recommendation or Prerequisite: Algebra II

AP Physics 1: Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. The science practices and inquiry-based investigations are emphasized. The ability to develop and use physics knowledge by applying it to the practice of scientific inquiry and reasoning is at the heart of the new physics courses and exams. Focusing on these skills enables teachers to use the principles of scientific inquiry to promote a more engaging and rigorous experience for AP Physics students.

For more information on AP Physics changes, visit the College Board website at

<http://bit.ly/PhysicsChange>

## AP PHYSICS 2

### ALGEBRA-BASED

39537802

Credits: 1

Grade: 10-12

GPA Level: 3

Prerequisite: Physics I Advanced Placement OR Physics I PreAP

AP Physics 2: Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. The science practices and inquiry-based investigations are emphasized. The ability to develop and use physics knowledge by applying it to the practice of scientific inquiry and reasoning is at the heart of the new physics courses and exams. Focusing on these skills enables teachers to use the principles of scientific inquiry to promote a more engaging and rigorous experience for AP Physics students.

For more information on AP Physics changes, visit the College Board website at

<http://bit.ly/PhysicsChange>.

### **AP PHYSICS C - MECHANICS\***

### **AP PHYSICS C - ELECTRICITY AND MAGNETISM\***

39538302/39538202

Credits: 2

Grade: 11-12

GPA Level: 3

Recommendation: Pre-Calculus, Pre-Advanced Placement Calculus, AP Calculus, Biology

An advanced-level calculus based physics course that covers the topic of mechanics. Emphasis is placed on the preparation for the Advanced Placement Physics C - Mechanics exam and the Advanced Placement Physics C – Electricity and Magnetism exam. Taking the test is encouraged. **\*AP Physics C, Mechanics/AP Physics C, Electricity and Magnetism: These courses should be taken as a year-long course. Students cannot take one without the other.**

### **EARTH & SPACE SCIENCE**

39534600

Credits: 1

Grade: 11-12

GPA Level: 1

Prerequisite: 3 years of Science and Mathematics (one may be taken concurrently)

This is a capstone science course that investigates the interaction of the hydrosphere, cryosphere and atmosphere, the interactions of the earth's interior to its surface and the earth in space and time.

### **ASTRONOMY**

39539000

Credits: 1

Grade: 11-12

GPA Level: 1

Recommendation: Biology OR PreAP Biology

Astronomy provides an overview of the technology in a modern and historical approach to space study. Topics of study include: information about the universe; characteristics/cycles of stars; exploration of the universe; role of the sun in our solar system; planets; and the orientation/placement of the earth.

### **FORENSIC SCIENCE**

89805100

Credits: 1

Grade: 10-12

GPA Level: 1

Prerequisite: Principles of Law, Law Enforcement I

Fee: A \$35.00 material and supply fees is required. Students may also be assessed a fee for field trips.

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene investigation, questioning, criminal behavior characteristics, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, trace evidence collection, ballistics, body fluid collection, and blood spatter analysis. Students will learn the history, legal aspects, and career options available in forensic science. Offered at the Career Center East Only. This course must be taken in conjunction with 89806100 Courts Systems and Practices for 2 full credits. This course counts as a 3rd/4th science credit for FHSP.

# SOCIAL STUDIES

LISD COURSE #	COURSE	GRADE	CREDIT
49570000	WORLD GEOGRAPHY	9	1
49570021	WORLD GEOGRAPHY PRE-ADVANCED PLACEMENT	9	1
49570090(A) 49570190(B)	WORLD GEOGRAPHY-VIRTUAL LEARNING	9	1
49577102	HUMAN GEOGRAPHY ADVANCED PLACEMENT,	9-12	1
49571000	WORLD HISTORY STUDIES	10	1
49571002	WORLD HISTORY ADVANCED PLACEMENT	10	1
49571115	WORLD HISTORY G/T ADVANCED PLACEMENT	10	1
49572000	UNITED STATES HISTORY	11	1
49572037	UNITED STATES HISTORY - BLENDED	11	1
49572002	UNITED STATES HISTORY ADVANCED PLACEMENT	11	1
49572290(A)/49572390(B)	UNITED STATES HISTORY - VIRTUAL LEARNING	11	1
49572090(A)/49572190(B)	UNITED STATES HISTORY ADVANCED PLACEMENT - VIRTUAL LEARNING	11	1
49573002	SPECIAL TOPICS IN SOCIAL STUDIES: EARLY U.S. HISTORY AP	11	.5
49572115	UNITED STATES HISTORY G/T ADVANCED PLACEMENT	11	1
49573015	G/T SPECIAL TOPICS IN SOCIAL STUDIES: EARLY U.S. HISTORY	11	.5
49572236	U.S. HISTORY SEM A DUAL CREDIT,	11	.5
49572336	U.S. HISTORY SEM B DUAL CREDIT	11	.5
49573500	UNITED STATES GOVERNMENT	11-12	.5
49573590	UNITED STATES GOVERNMENT - VIRTUAL LEARNING	11-12	.5
49573937	UNITED STATES GOVERNMENT - BLENDED	11-12	.5
49573502	UNITED STATES GOVERNMENT ADVANCED PLACEMENT	11-12	.5
49573515	UNITED STATES GOVERNMENT G/T ADVANCED PLACEMENT	11-12	.5
49573536	UNITED STATES GOVERNMENT DUAL CREDIT	11-12	.5
49580336	SPECIAL TOPICS IN SOCIAL STUDIES DUAL CREDIT (TEXAS GOVERNMENT – GOVT 2306)	11-12	.5
49574502	COMPARATIVE GOVERNMENT & POLITICS ADVANCED PLACEMENT	12	.5
49575000	ECONOMICS (FREE ENTERPRISE & ITS BENEFITS)	11-12	.5
49575090	ECONOMICS (FREE ENTERPRISE & ITS BENEFITS) - VIRTUAL LEARNING	11-12	.5
49575337	ECONOMICS (FREE ENTERPRISE & ITS BENEFITS) - BLENDED	11-12	.5
49575036	ECONOMICS DUAL CREDIT (FREE ENTERPRISE & ITS BENEFITS)	11-12	.5
49575502	MACROECONOMICS ADVANCED PLACEMENT	12	.5
49575115	MACROECONOMICS G/T ADVANCED PLACEMENT	12	.5
49576002	MICROECONOMICS ADVANCED PLACEMENT	11-12	.5
49576502	EUROPEAN HISTORY ADVANCED PLACEMENT	11-12	1
49577002	HUMAN GEOGRAPHY ADVANCED PLACEMENT	11-12	.5
49577500	PSYCHOLOGY	10-12	.5
49577502	PSYCHOLOGY ADVANCED PLACEMENT	11-12	.5
49577590	PSYCHOLOGY-VIRTUAL LEARNING	10-12	.5
49577536	PSYCHOLOGY DUAL CREDIT (PSYCHOLOGY-PSYC 2301)	11-12	.5
49578500	SOCIOLOGY	10-12	.5
49578536	SOCIOLOGY DUAL CREDIT (SOCIOLOGY-SOCI 1301)	10-12	.5
49573100	SPECIAL TOPICS SOCIAL STUDIES: HEBREW SCRIPTURES (BIBLE LITERACY)	11-12	.5
49573200	SPECIAL TOPICS SOCIAL STUDIES: NEW TESTAMENT (BIBLE LITERACY)	11-12	.5
49579000	SPECIAL TOPICS IN SOCIAL STUDIES - STREET LAW	9-12	.5
49579100	SPECIAL TOPICS IN SS: CIVIL WAR & RECONSTRUCTION	10-12	.5
49579200	SPECIAL TOPICS IN SS: UNITED STATES MILITARY HISTORY	10-12	.5
49579300	SPECIAL TOPICS IN SS: CULTURE & CONFLICT	10-12	.5
49579600	SPECIAL TOPICS IN SS: HISTORY OF AFRICA & AFRICAN AMERICANS	10-12	.5
49579700	SPECIAL TOPICS IN SS: COMPARATIVE WORLD RELIGIONS	10-12	.5
49575400	PERSONAL FINANCIAL LITERACY	11-12	.5
49575690	PERSONAL FINANCIAL LITERACY-VIRTUAL LEARNING	11-12	.5
49579800	SPECIAL TOPICS IN SS: WORLD WAR II	10-12	.5
49579500	SPECIAL TOPICS IN SS: THE WORLD SINCE WORLD WAR II	10-12	.5

# SOCIAL STUDIES COURSE DESCRIPTIONS

## WORLD GEOGRAPHY

49570000

Credits: 1

Grade: 9

GPA Level: 1

Recommendation: None

This course is a study of major areas of the world, the processes that shape the earth and the relationship between people and their environments.

## WORLD GEOGRAPHY PRE-ADVANCED PLACEMENT

49570021

Credits: 1

Grade: 9

GPA Level: 2

Recommendation: None

This course is an integrated study of regions of the world focusing on the relationships among people, places and environments, physical and human systems, and the uses of geography. This course prepares students for the rigorous critical thinking and writing skills needed in the Advanced Placement courses.

## HUMAN GEOGRAPHY ADVANCED PLACEMENT (AP)

49577102

Credits: 1

Grade: 9

GPA Level: 3

Recommendation: None

This college-level course is an in-depth study of patterns and processes that shape human understanding including how man uses the earth and alters its surface. Students learn the methods and tools geographers use as they examine topics such as population, cultural patterns and processes, political organization of space, agriculture, and rural land use, industrialization and economic development.

## WORLD HISTORY STUDIES

49571000

Credits: 1

Grade: 10

GPA Level: 1

Recommendation: None

This course is a study of the development of civilizations and cultures from the earliest societies to the contemporary world with a focus on the historical perspective of major world events and movements.

## WORLD HISTORY ADVANCED PLACEMENT OR WORLD HISTORY G/T ADVANCED PLACEMENT

49571002 OR 49571115

Credits: 1

Grade: 10

GPA Level: 3

Recommendation: Pre-AP World Geography or AP Human Geography

This college level course has a chronological framework beginning with the foundations of history and continuing to the present. Truly global in nature, the course includes studies of major political, social, economic and artistic movements found in societies in Asia, Europe, Africa, and North and South America. Extensive reading and composition prepare the student for the rigors of the Advanced Placement exam. Enrollment in designated G/T courses will be limited to students who formally qualified for Gifted and Talented Services in LISD. If a G/T course does not meet minimum enrollment requirements, it may need to be combined with the PAP/AP course offering.

## UNITED STATES HISTORY

49572000

Credits: 1

Grade: 11

GPA Level: 1

Recommendation: None

This course is a study of the people, events, and issues that have shaped political, economic, and social institutions of the United States from the period of Reconstruction to the present.

## UNITED STATES HISTORY--BLENDED

49572037

Credits: 1

Grade: 11

GPA Level: 1

Recommendation: None

This course is a study of the people, events, and issues that have shaped political, economic, and social institutions of the United States from the period of Reconstruction to the present. Instruction and content are delivered primarily over the Internet, and students meet twice a week on campus for collaboration, group work, practice and personalized instruction. **This course may not be available on all campuses.**

## UNITED STATES HISTORY ADVANCED PLACEMENT PAIRED WITH SPECIAL TOPICS SS: EARLY US HISTORY AP

49572002/49573002

Credits: 1.5 (for both courses)

Grade: 11

GPA Level: 3

Recommendation: None

This accelerated course is designed to prepare students for the Advanced Placement United States History exam. In-depth analysis of documents and writings from the pre-colonial period to the present develop students' research, analytical, and writing skills. The special topics course develops content understanding through critical thinking and writing skills, focusing on the events in United States History. The special topics course is not considered AP; therefore, its eligibility for UIL is not waived. The student must register in both courses listed.

**UNITED STATES HISTORY G/T ADVANCED  
PLACEMENT PAIRED W/ G/T SPECIAL TOPICS  
SS: EARLY US HISTORY**

49572115/49573015  
Credits: 1.5 (for both courses)  
Grade: 11  
GPA Level: 3  
Recommendation: None

This accelerated course is designed to prepare students for the Advanced Placement United States History exam. In-depth analysis of documents and writings from the pre-colonial period to the present develop students' research, analytical, and writing skills. The special topics course develops content understanding through critical thinking and writing skills, focusing on the events in United States History. The special topics course is not considered AP; therefore, its eligibility for UIL is not waived. The student must register in both courses listed above. Enrollment in designated G/T courses will be limited to students who formally qualified for Gifted and Talented Services in LISD. If a G/T course does not meet minimum enrollment requirements, it may need to be combined with the PAP/AP course offering.

**U.S. HISTORY DUAL CREDIT A/B**

49572236/49572336  
Credits: 1  
Grade: 11-12  
GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond  
Recommendation: None

This course is a survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.

**Students/Parents/Guardians are responsible for registration, tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses. Counts for HIST 1301/1302 for 6 hours of college credit.**

**UNITED STATES GOVERNMENT**

49573500  
Credits: .5  
Grade: 11\*-12  
GPA Level: 1  
Recommendation: US History

This course is a study of the United States Constitution, the three branches of the federal government, the national political system, and state and local government systems. **\*Juniors should complete U.S. History prior to taking this course. Only graduating juniors and seniors can select this course during registration. Other juniors who would like to enroll will be scheduled as space allows after the school year begins.**

**UNITED STATES GOVERNMENT—VIRTUAL  
LEARNING**

49573590  
Credits: .5  
Grade: 11\*-12  
GPA Level: 1  
Recommendation: US History

This online course is a study of the United States Constitution, the three branches of the federal government, the national political system, and state and local government systems. Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet face-to-face for collaboration, group work and personalized instruction. **\*Juniors should complete U.S. History prior to taking this course.**

**U. S. GOVERNMENT—BLENDED**

49573937  
Credits: .5  
Grade: 11\*-12  
GPA Level: 1  
Recommendation: US History

This online course is a study of the United States Constitution, the three branches of the federal government, the national political system, and state and local government systems. Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet face-to-face for collaboration, group work and personalized instruction. **\*Juniors should complete U.S. History prior to taking this course.**

**U.S. GOVERNMENT ADVANCED PLACEMENT  
OR U.S. GOVERNMENT G/T ADVANCED  
PLACEMENT**

49573502/49573515  
Credits: .5  
Grade: 11\*-12  
GPA Level: 3  
Recommendation: US History

This college-level course is designed to prepare students for the U. S. Government Advanced Placement exam. Through an analysis of historic documents, this course provides in-depth study of the foundations of the U.S. political system, its institutions, and the structure and function of governments. AP Test Prep Social Studies (49581300) is available as a review prior to the AP exam in the spring. Enrollment in designated G/T courses will be limited to students who formally qualified for Gifted and Talented Services in LISD. If a G/T course does not meet minimum enrollment requirements, it may need to be combined with the PAP/AP course offering. **\*Juniors should complete U.S. History prior to taking this course.**

**UNITED STATES GOVERNMENT DUAL CREDIT**

49573536  
Credits: .5  
Grade: 11-12  
GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond  
Recommendation: None

This course is a study of the origin and development of the United States Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. **Students/Parents/Guardians are responsible for registration, tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses. Counts for American National Government – GOVT 2305 for 3 hours of college credit.**

**SPECIAL TOPICS  
IN SOCIAL STUDIES: TEXAS GOVERNMENT  
DUAL CREDIT**

49580336

Credits: .5

Grade: 11-12

GPA Level: GPA Level: 2 for Class of  
2019/2020; 3 for Class of 2021 and beyond

Recommendation: US Government Dual  
Credit-Govt 2305

This course is a study of the origin and development of the Texas Constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas. This course does not meet the FHSP graduation requirements for Government but can be used as a social studies credit for FHSP. **Students/Parents/Guardians are responsible for registration, tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses. Counts for Texas Government – GOVT 2306 for 3 hours of college credit.**

**COMPARATIVE GOVERNMENT & POLITICS  
ADVANCED PLACEMENT**

49574502

Credits: .5

Grade: 12

GPA Level: 3

Recommendation: None

This college-level course is designed to prepare students for the Advanced Placement exam in Comparative Governments and Politics, which focuses on the political systems of Great Britain, France, Russia, China and either India, Mexico, or Nigeria. Sources of public authority and political power, the relationship among citizens, society and the state, and political change form the basis of comparison. This is an elective course.

**ECONOMICS (FREE ENTERPRISE & ITS  
BENEFITS)**

49575000

Credits: .5

Grade: 11\*-12

GPA Level: 1

Recommendation: U. S. History

This course is a study of the basic principles of the production, distribution, and consumption of goods and services. The students gain competencies in practical, real-world economic situations. **\*Juniors should complete U.S. History prior to taking this course. Only graduating juniors and seniors can select this course during registration. Other juniors who would like to enroll will be scheduled as space allows after the school year begins.**

**ECONOMICS (FREE ENTERPRISE & ITS  
BENEFITS) – VIRTUAL LEARNING**

49575090

Credits: .5

Grade: 11\*-12

GPA Level: 1

Recommendation: U. S. History

This course is a study of the basic principles of the production, distribution, and consumption of goods and services. The students gain competencies in practical, real-world economic situations. Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet face-to-face for collaboration, group work and personalized instruction. **\*Juniors should complete U.S. History prior to taking this course.**

**ECONOMICS (FREE ENTERPRISE & ITS  
BENEFITS) – BLENDED**

49575337

Credits: .5

Grade: 11\*-12

GPA Level: 1

Recommendation: U. S. History

This blended course is a study of the basic principles of the production, distribution, and consumption of goods and services. The students gain competencies in practical, real-world economic situations. Instruction and content are delivered primarily over the Internet, and students meet twice a week on campus for collaboration, group work, practice and personalized instruction. **This course may not be available on all campuses. \*Juniors should complete U.S. History prior to taking this course.**

**ECONOMICS (FREE ENTERPRISE & ITS  
BENEFITS) DUAL CREDIT**

49575036

Credits: .5

Grade: 11-12

GPA Level: GPA Level: 2 for Class of  
2019/2020; 3 for Class of 2021 and beyond

Recommendation: None

This course involves an analysis of the economy, including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal and monetary policy. **Students/Parents/Guardians are responsible for registration, tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses. Counts for Principles of Macroeconomics – ECON 2301 for 3 hours of college credit.**

**MACROECONOMICS ADVANCED PLACEMENT  
OR MACROECONOMICS G/T ADVANCED  
PLACEMENT**

49575502/49575115

Credits: .5

Grade: 12

GPA Level: 3

Recommendation: Algebra II

This challenging course is designed to prepare students for the Advanced Placement exam. The students gain a thorough understanding of basic economic principles with emphasis on the study of national income and price determination, economic performance measures, and international economics. Emphasis will be placed on critical thinking skills through understanding the applications and analysis of fundamental economic concepts. This course fulfills the graduation requirements for Economics. AP Test Prep Social Studies (49581300) is available as a review prior to the AP exam in the spring on some campuses. Enrollment in designated G/T courses will be limited to students who formally qualified for Gifted and Talented Services in LISD. If a G/T course does not meet minimum enrollment requirements, it may need to be combined with the PAP/AP course offering.



**MICROECONOMICS ADVANCED PLACEMENT**

49576002

Credits: .5

Grade: 11\*-12

GPA Level: 3

Recommendation: Macroeconomics Advanced Placement

This college-level course, designed to prepare students for the Advanced Placement exam, focuses on the individual decision makers within the larger economic system. The nature and function of both product and factor markets and the role of government in promoting greater efficiency and equity form the basis of the course. This course fulfills the graduation requirement in economics.

**\*Juniors should complete U.S. History prior to taking this course. Only graduating juniors and seniors can select this course during registration. Other juniors who would like to enroll will be scheduled as space allows after the school year begins.** AP Test Prep Social Studies (49581300) is available as a review prior to the AP exam in the spring on some campuses.

**EUROPEAN HISTORY ADVANCED PLACEMENT**

49576502

Credits: 1

Grade: 11-12

GPA Level: 3

Recommendation: None

This college-level course covers the political, cultural, intellectual, economic, and social events that shaped Europe. The course requires extensive reading and writing in preparation for the Advanced Placement exam. This is an elective course.

**HUMAN GEOGRAPHY AP SEMESTER**

49577002

Credits: .5

Grade: 11-12

GPA Level: 3

Recommendation: None

This college-level course is an in-depth study of patterns and processes that shape human understanding, including how man uses the earth and alters its surface. Students learn the methods and tools geographers use as they examine topics such as population, cultural patterns and processes, political organization of space, agriculture and rural land use, industrialization and economic development, and cities and urban land use. This is an elective course.

**PSYCHOLOGY**

49577500

Credits: .5

Grade: 10-12

GPA Level: 1

Recommendation: None

This course is a study of individual and group behavior, focusing on the knowledge, methods, and theories that are used by psychologists.

**PSYCHOLOGY ADVANCED PLACEMENT**

49577502

Credits: .5

Grade: 11-12

GPA Level: 3

Recommendation: None

This accelerated course is designed to prepare students for the Advanced Placement exam. The student is introduced to the discipline of psychology by emphasizing the history of psychology as a science, the different theoretical approaches that underlie explanations of behavior, and the contemporary research methods used by psychologists.

**PSYCHOLOGY VIRTUAL LEARNING**

49577590

Credits: .5

Grade: 10-12

GPA Level: 1

Recommendation: None

This course is a study of individual and group behavior, focusing on the knowledge, methods, and theories that are used by psychologists. Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet face-to-face for collaboration, group work and personalized instruction.

**PSYCHOLOGY DUAL CREDIT**

49577536

Credits: .5

Grade: 11-12

GPA Level: GPA Level: 2 for Class of

2019/2020; 3 for Class of 2021 and beyond

Recommendation: None

General Psychology is a survey of the major psychological topics, theories, and approaches to the scientific study of behavior and mental processes.

***Students/Parents/Guardians are responsible for registration, tuition, fees, and textbook costs. Counts for Psychology – PSYC 2301 for 3 hours of college credit.***

**SOCIOLOGY**

49578500

Credits: .5

Grade: 10-12

GPA Level: 1

Recommendation: None

This course is a systematic study of individuals, groups, and social institutions. The course focuses on the individual and his relationship to the society in which he lives.

**SOCIOLOGY DUAL CREDIT**

49578536  
 Credits: .5  
 Grade: 11-12  
 GPA Level: GPA Level: 2 for Class of 2019/2020; 3 for Class of 2021 and beyond  
 Recommendation: None

This course involves the scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance.

**Students/Parents/Guardians are responsible for registration, tuition, fees, and textbook costs. Counts for Sociology – SOCI 1301 for 3 hours of college credit.**

**SPECIAL TOPICS IN SOCIAL STUDIES: HEBREW SCRIPTURES (BIBLE LITERACY)**

49573100  
 Credits: .5  
 Grade: 11-12  
 GPA Level: 1  
 Recommendation: None

This course will follow federal law maintaining religious neutrality, and will consider the Bible in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding contemporary society and culture, including literature, art, music, tradition, and public policy. It will familiarize students with the Hebrew Scriptures and their influence on law, history, government, literature, art, music, customs, morals, values, and culture. **This course may not be available at all campuses.**

**SPECIAL TOPICS IN SOCIAL STUDIES: NEW TESTAMENT (BIBLE LITERACY)**

49573200  
 Credits: .5  
 Grade: 11-12  
 GPA Level: 1  
 Recommendation: None

This course will follow federal law maintaining religious neutrality, and will consider the Bible in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding contemporary society and culture, including literature, art, music, tradition, and public policy. It will familiarize students with the Hebrew Scriptures and their influence on law, history, government, literature, art, music, customs, morals, values, and culture. **This course may not be available at all campuses.**

**SPECIAL TOPICS IN SOCIAL STUDIES: STREET LAW**

49579000  
 Credits: .5  
 Grade: 9-12  
 GPA Level: 1  
 Recommendation: None

This course will focus on a practical understanding of law and the legal system, whereby students will develop participatory skills, practice in resolving disputes, and a greater sense of justice, tolerance, and fairness.

**SPECIAL TOPICS IN SOCIAL STUDIES: CIVIL WAR & RECONSTRUCTION**

49579100  
 Credits: .5  
 Grade: 10-12  
 GPA Level: 1  
 Recommendation: None

In this course, students will explore the causes, course, and consequences of the American Civil War and Reconstruction, from the 1840s to 1877. Students will understand the many ways that these events transformed the United States. Those transformations may be examined in many ways: national, sectional, racial, constitutional, individual, social, intellectual, or moral.

**SPECIAL TOPICS IN SOCIAL STUDIES: UNITED STATES MILITARY HISTORY**

49579200  
 Credits: .5  
 Grade: 10-12  
 GPA Level: 1  
 Recommendation: None

This course will aid student's knowledge and understanding of U.S. History and the current state of international affairs concerning the U.S. Students will learn the causes and effects of U.S. Military interventions and activities and understand the effect of technology on strategy and casualties of war.

**SPECIAL TOPICS IN SOCIAL STUDIES: CULTURE & CONFLICT**

49579300  
 Credits: .5  
 Grade: 10-12  
 GPA Level: 1  
 Recommendation: None

In this course, students will understand and explore the relationships between culture, conflict and political policies and the roles they play in genocide. Additionally, students will examine the global values, political perspectives and the role of the media in areas of conflict.

**SPECIAL TOPICS IN SOCIAL STUDIES: HISTORY OF AFRICA & AFRICAN AMERICANS**

49579600  
 Credits: .5  
 Grade: 10-12  
 GPA Level: 1  
 Recommendation: None

In this course, students will learn an overview of the history of Africa and African Americans. Students will understand how geography and culture influence regional and global history. Students will also understand how current events are influenced by historical patterns.

**SPECIAL TOPICS IN SOCIAL STUDIES:  
COMPARATIVE WORLD RELIGIONS**

49579700

Credits: .5

Grade: 10-12

GPA Level: 1

Recommendation: None

In this course, students will learn about the teachings and traditions of the world's major religions, as well as many of its minor religions. The students will see the connection between religion and development of civilizations, the place and function of religion in human experience, and the influence of religion on contemporary society.

**SPECIAL TOPICS IN SOCIAL STUDIES:  
PERSONAL FINANCIAL LITERACY**

49575400

Credits: .5

Grade: 11-12

GPA Level: 1

Recommendation: None

This course 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. The course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and post-secondary education and training.

**SPECIAL TOPICS IN SOCIAL STUDIES: WORLD  
WAR II**

49579800

Credits: .5

Grade: 10-12

GPA Level: 1

Recommendation: None

This course is a nine-week study of World War II. Students will investigate the conditions that led to the rise of powerful totalitarian leaders and a new global war during the interwar period. Course content includes an introduction to basic military history understandings of strategy, tactics, and doctrine.

**SPECIAL TOPICS IN SOCIAL STUDIES: THE  
WORLD SINCE WORLD WAR II**

49579500

Credits: .5

Grade: 10-12

GPA Level: 1

Recommendation: None

This course will focus on Germany and the former Soviet Union in the second half of the 20th century. This course explores political, social, and economic changes that have impacted the U.S. and the world.

**The student who learns history will unconsciously develop what is the highest value of history: judgment and worldly affairs. We gather historical knowledge, not to make us more clever the next time, but wiser for all time.” – Jacques Barzun (adapted)**

## LANGUAGES OTHER THAN ENGLISH (LOTE)

LISD COURSE #	COURSE	GRADE	CREDIT
<b>MODERN LANGUAGES</b>			
19462500	AMERICAN SIGN LANGUAGE I	9-12	1
19463000	AMERICAN SIGN LANGUAGE II	9-12	1
19463500	AMERICAN SIGN LANGUAGE III	10-12	1
19464000	AMERICAN SIGN LANGUAGE IV	10-12	1
19454500	FRENCH I	9-12	1
19455000	FRENCH II	9-12	1
19455521	FRENCH III PRE-ADVANCED PLACEMENT	10-12	1
19456002	FRENCH IV ADVANCED PLACEMENT	10-12	1
19456500	FRENCH V	11-12	1
19457000	FRENCH VI	12	1
19457500	GERMAN I	9-12	1
19458000	GERMAN II	9-12	1
19458521	GERMAN III PRE-ADVANCED PLACEMENT	10-12	1
19459002	GERMAN IV ADVANCED PLACEMENT	10-12	1
19459500	GERMAN V	10-12	1
19459700	GERMAN VI	10-12	1
19450000	SPANISH I	9-12	1
19450500	SPANISH II	9-12	1
19451000	SPANISH III	9-12	1
19451521	SPANISH III PRE-ADVANCED PLACEMENT	9-12	1
19452002	SPANISH IV ADVANCED PLACEMENT	9-12	1
19452521	SPANISH V PRE-ADVANCED PLACEMENT	10-12	1
19453002	SPANISH VI ADVANCED PLACEMENT	10-12	1
<b>CLASSICAL LANGUAGES</b>			
19460000	LATIN I	9-12	1
19460500	LATIN II	9-12	1
19461021	LATIN III PRE-ADVANCED PLACEMENT	10-12	1
19461502	LATIN IV ADVANCED PLACEMENT	10-12	1
19462000	LATIN V	10-12	1
19462100	LATIN VI	10-12	1
<b>COMPUTER PROGRAMMING LANGUAGES</b>			
79168600	COMPUTER SCIENCE I	9-12	1
79168700	COMPUTER SCIENCE II	9-12	1

## GUIDE TO PROFICIENCY LEVEL OUTCOMES FOR LEVELS I TO VI

Based on LOTE TEKS Adopted in 2014

### NOVICE MID (NOVICE-M)

Novice Mid students express meaning in highly predictable contexts through the use of memorized and recalled words and phrases. They are best able to understand aural cognates, borrowed words, and high-frequency, highly contextualized words and phrases with repetition. Novice Mid students may be difficult to understand by the most sympathetic listeners and readers accustomed to dealing with language learners. Novice Mid students are inconsistently successful when performing Novice-level tasks.

### NOVICE HIGH (NOVICE-H)

Novice High students express meaning in simple, predictable contexts through the use of learned and recombined phrases and short sentences. They are best able to understand sentence-length information within highly contextualized situations and sources. Novice High students may generally be understood by sympathetic listeners and readers accustomed to dealing with language learners. Novice High students are consistently successful when performing Novice-level tasks. Novice High students show evidence of Intermediate Low proficiency but lack consistency.

### INTERMEDIATE LOW (INTER-L)

Intermediate Low students express meaning in straightforward and personal contexts, by combining and recombining what they know, what they read, and what they hear in short statements and sentences. They are able to understand some information from simple connected statements in oral or written sources. Intermediate Low students are generally understood by sympathetic listeners and readers accustomed to dealing with language learners. Intermediate Low students are inconsistently successful when performing Intermediate-level tasks.

### INTERMEDIATE MID (INTER-M)

Intermediate Mid students express meaning in straightforward and personal contexts, by easily combining and recombining what they know, what they read, and what they hear in short statements and a mixture of sentences and strings of sentences. They are able to understand some information from connected statements in oral or written sources. Intermediate Mid students are generally understood by sympathetic listeners and readers accustomed to dealing with language learners. Intermediate Mid students are consistently successful when performing Intermediate-level tasks.

### INTERMEDIATE HIGH (INTER-H)

Intermediate High students express meaning in a variety of contexts, by creating with the language, easily combining and recombining what they know, what they read, and what they hear in a mixture of sentences and connected discourse. They are able to understand information from connected statements in oral or written sources. Intermediate High students are generally understood by listeners and readers unaccustomed to dealing with language learners. Intermediate High students are consistently successful when performing Intermediate-level tasks. Intermediate High students show evidence of Advanced Low proficiency but lack consistency.

### ADVANCED LOW (ADV-L)

Advanced Low students are able to handle a variety of informal and formal communicative tasks with some control, even if the situation consists of an unexpected turn of events. They demonstrate the ability to narrate and describe in major time frames in usually one paragraph discourse by combining and linking sentences. They are able to understand short conventional texts, the main facts, and some detail. Advanced Low students are generally understood by listeners and readers unaccustomed to dealing with language learners, although repetition or clarification may be necessary.

### ADVANCED MID (ADV-M)

Advanced Mid students are able to handle a variety of informal and formal communicative tasks, with good control, including relevant and support facts in paragraph-length discourse. They demonstrate the ability to narrate and describe in major time frames in connected paragraph-length discourse. They are able to understand conventional texts, which included expanded descriptions and narrations in various time frames, the main facts, and some detail. Advanced Low students are readily understood by those who are unaccustomed to dealing with non-natives.

### ADVANCED HIGH (ADV-H)

Advanced High students are able to perform all of the Advanced-level tasks previously mentioned with linguistic ease, confidence, and competence. They can discuss a variety of topics concretely, use precise vocabulary and expression, show great fluency, and ease of speech. They are able to understand conventional texts, as well as complex factual material of any length. They are able to follow some of the essential points of more complex or argumentative speech in areas of special interest or knowledge. Advanced Low students may also recognize speaker-intended references, although there may be gaps in comprehension of abstract material of complex texts.

### SUPERIOR LOW (SUP-L)

Superior Low students are generally able to communicate with accuracy, fluency, and ease in order to participate fully and effectively in conversations on a variety of topics in all settings and perspectives. They can discuss interests, explain complex matters in detail, and construct and develop hypotheses to explore alternative possibilities with hesitation. Errors are sporadic, but do not distract the native interlocutor with communication. Superior-level listeners understand linguistically complex extended discourse, specialized vocabulary, complex grammatical structures, and cultural references within that level of complexity.

## FOUNDATION HIGH SCHOOL PROGRAM AND LOTE REQUIREMENTS

THE FHSP REQUIRES 2 CREDITS OF LOTE TO MEET GRADUATION REQUIREMENTS BUT FOR STUDENTS UNABLE TO MEET THIS REQUIREMENT, THE OPTIONS ARE LISTED BELOW

OPTION	ELIGIBLE STUDENTS	COURSES SATISFYING THE OPTION
<p style="text-align: center;"><b>LOTE Exit</b></p> <p>If a student, in successfully completing and receiving the first credit of LOTE, demonstrates that he/she is unlikely to successfully complete the second credit, the student may replace one credit with the option listed.</p>	General Education, Special Education, 504 Students	Level 1 of a different LOTE course OR World Geo or World History—whichever is not needed for graduation
<p style="text-align: center;"><b>LOTE SUBSTITUTION</b></p> <p>With the approval of the appropriate committee, a student, who due to a disability is unable to complete two credits in the same language, may substitute those listed.</p>	Special Education and 504 students only	<p style="text-align: center;"><b>Combination of 2 credits from:</b></p> English/Language Arts, Mathematics, Science or Social Studies OR 2 credits in CTE/2 credits in Tech Apps

## LANGUAGES OTHER THAN ENGLISH (LOTE) COURSE DESCRIPTIONS

### **AMERICAN SIGN LANGUAGE I,**

(Novice-M to Novice-H)

19462500

Credits: 1

Grade: 9-12

GPA Level: 1

Recommendation: None

ASL I is an introduction to American Sign Language and the Deaf community. The main emphasis is on expressive skills (signing) while developing receptive skills (understanding signing). Students will be guided in recognizing the interrelationships of language and will develop a cultural appreciation for the Deaf community. The expected outcome of this course is developing Novice Mid to Novice High proficiency. **This course is conducted in ASL (without voice) a significant amount of time.**

### **AMERICAN SIGN LANGUAGE II,**

(Novice-M to Inter-M)

19463000

Credits: 1

Grade: 9-12

GPA Level: 1

Prerequisite: ASL I

In ASL II, the main emphasis is on expressive skills (signing) while developing receptive skills (understanding signing). Students will be guided in recognizing the interrelationships of language and will develop a cultural appreciation for the Deaf community. The expected outcome of this course is developing Novice Mid to Intermediate Mid proficiency. **This course is conducted in ASL (without voice) a significant amount of time.**

### **AMERICAN SIGN LANGUAGE**

**III, (Inter-M to Adv-L)**

19463500

Credits: 1

Grade: 10-12

GPA Level: 2

Prerequisite: ASL II or Placement

Interview

In ASL III, students will expand their ability to perform intermediate tasks and develop more advanced abilities in American Sign Language. The expected outcome of this course is developing Intermediate Mid to Advanced Low proficiency. **This course is conducted in primarily in ASL (without voice).**

### **AMERICAN SIGN LANGUAGE**

**IV, (Inter-H to Adv-H)**

19464000

Credits: 1

Grade: 10-12

GPA Level: 2

Prerequisite: ASL III or Placement

Interview

In ASL IV, students will expand their ability to perform tasks and develop their ability in American Sign Language. The expected outcome of this course is developing Intermediate High to Advanced High proficiency. **This course is conducted in primarily in ASL (without voice).**

### **FRENCH I, (Novice-M to Novice-H)**

19454500

Credits: 1

Grade: 9-12

GPA Level: 1

Recommendation or Prerequisite: None

French I is the introductory course in the French language and culture. During this course, students will develop speaking, writing, reading, and listening skills in French around topics related to the everyday life of a student. Students will use French in the interpersonal, interpretive, and presentational communication modes as the basis for meeting the TEKS. Students will gain an understanding of culturally appropriate responses and practices. Students in this course are expected to reach a proficiency level of Novice Mid-High. **This course is conducted in French a significant amount of time.**

**FRENCH II, (Novice-H to Inter-L)****19455000**

Credits: 1

Grade: 9-12

GPA Level: 1

Prerequisite: French I or Placement Interview

French II continues to introduce students to French language and culture. During this course, the students will continue to develop speaking, writing, reading, and listening skills in French that expand on topics beyond the everyday life of the student into the real world. Students will use French in the context of interpersonal, interpretive, and presentational modes as the basis for meeting the TEKS. Students will use culturally appropriate responses and practices. Students in this course are expected to reach a proficiency level of Intermediate Low. **This course is conducted in French a significant amount of time.**

**FRENCH III PRE-ADVANCED PLACEMENT, (Inter-L to Inter-M)****19455521**

Credits: 1

Grade: 10-12

GPA Level: 2

Prerequisite: French II or Placement Interview

French III/PAP engages students in French language and culture in depth. Students continue to grow their listening, speaking, reading and writing proficiency in a variety of contexts with increasing complexity. Students demonstrate rigorous critical thinking through the interpersonal, interpretive, and presentational communication modes in French. Students in this course are expected to reach a proficiency level of Intermediate Low to Intermediate Mid. **This course is conducted primarily in French.**

**FRENCH IV ADVANCED PLACEMENT, (Inter-M to Inter-H)****19456002**

Credits: 1

Grade: 10-12

GPA Level: 3

Prerequisite: French III or Placement Interview

This course prepares students to take the Advanced Placement (AP) French Language & Culture exam. Students will demonstrate listening, speaking, reading and writing proficiency in a variety of contexts and themes with increasing complexity. Students will demonstrate rigorous critical thinking and an understanding of cultural products, practices, and perspectives of the French-speaking world. Students in this course are expected to reach a proficiency level of Intermediate Mid to Intermediate High proficiency in preparation for the exam. **This course is conducted in French.**

**FRENCH V, (Inter-H to Adv-M)****19456500**

Credits: 1

Grade: 11-12

GPA Level: 2

Prerequisite: French IV or Placement Interview

Students will continue to develop their communication skills in the interpretive, presentational, and interpersonal communication modes. Students are expected to critically analyze, and respond to a significant amount of advanced literature in a variety of genres. The expected outcome of this course is developing Intermediate-High to Advanced-Mid proficiency. **This course is conducted in French.**

**FRENCH VI, (Adv-M to Adv-H)****19457000**

Credits: 1

Grade: 11-12

GPA Level: 2

Prerequisite: French V or Placement Interview

French VI is an advanced language course that focuses on further developing proficiency levels in the interpersonal, interpretive, and presentational communication modes. There is specific focus on engaging in conversations in all time frames and register for a variety of target-language and target-culture communities. Students are expected to plan, produce, and present with consistent ease and clarity in multiple paragraph length discourse. The expected outcome of this course is developing Advanced-Mid and Advanced-High proficiency. **This course is conducted in French.**

**GERMAN I, (Novice-M to Novice-H)****19457500**

Credits: 1

Grade: 9-12

GPA Level: 1

Recommendation or Prerequisite: None

German I is the introductory course in the German language and culture. During this course, students will develop speaking, writing, reading, and listening skills in German around topics related to the everyday life of a student. Students will use German in the interpersonal, interpretive, and presentational communication modes as the basis for meeting the TEKS. Students will gain an understanding of culturally appropriate responses and practices. Students in this course are expected to reach a proficiency level of Novice Mid-High. **This course is conducted in German a significant amount of time.**

**GERMAN II, (Novice-H to Inter-L)****19458000**

Credits: 1

Grade: 9-12

GPA Level: 1

Prerequisite: German I or Placement Interview

German II continues to introduce students to German language and culture. During this course, the students will continue to develop speaking, writing, reading, and listening skills in German that expand on topics beyond the everyday life of the student into the real world. Students will use German in the context of interpersonal, interpretive, and presentational modes as the basis for meeting the TEKS. Students will use culturally appropriate responses and practices. Students in this course are expected to reach a proficiency level of Intermediate Low. **This course is conducted in German a significant amount of time.**

**GERMAN III PRE-ADVANCED  
PLACEMENT, (Inter-L to Inter-M)**

**19458521**

Credits: 1

Grade: 10-12

GPA Level: 2

Prerequisite: German II or Placement  
Interview

**GERMAN IV ADVANCED  
PLACEMENT, (Inter-M to Inter-H)**

**19459002**

Credits: 1

Grade: 9-12

GPA Level: 3

Prerequisite: German III or Placement  
Interview

**GERMAN V, (Inter-H to Adv-M)**

**19459500**

Credits: 1

Grade: 11-12

GPA Level: 2

Prerequisite: German IV or Placement  
Interview

**GERMAN VI, (Adv-M to Adv-H)**

**19459700**

Credits: 1

Grade: 11-12

GPA Level: 2

Prerequisite: German V or Placement  
Interview

**SPANISH I, (Novice-M to Novice-H)**

**19450000**

Credits: 1

Grade: 9-12

GPA Level: 1

Prerequisite: None

**SPANISH II, (Novice-H to Inter-L)**

**19450500**

Credits: 1

Grade: 9-12

GPA Level: 1

Prerequisite: Spanish I or Placement  
Interview

**SPANISH III, (Inter-L to Inter-M)**

**19451000**

Credits: 1

Grade: 9-12

GPA Level: 1

Prerequisite: Spanish II or Placement  
Interview

**SPANISH III PRE-ADVANCED  
PLACEMENT, (Inter-L to Inter-M)**

**19451521**

Credits: 1

Grade: 9-12

GPA Level: 2

Prerequisite: Spanish II or Placement  
Interview

German III/PAP engages students in German language and culture in depth. Students continue to grow their listening, speaking, reading and writing proficiency in a variety of contexts with increasing complexity. Students demonstrate rigorous critical thinking through the interpersonal, interpretive, and presentational communication modes in German. Students in this course are expected to reach a proficiency level of Intermediate Low to Intermediate Mid. **This course is conducted primarily in German.**

This course prepares students to take the Advanced Placement (AP) German Language & Culture exam. Students will demonstrate listening, speaking, reading and writing proficiency in a variety of contexts and themes with increasing complexity. Students will demonstrate rigorous critical thinking and an understanding of cultural products, practices, and perspectives of the German -speaking world. Students in this course are expected to reach a proficiency level of Intermediate Mid to Intermediate High proficiency. **This course is conducted in German.**

Students will continue to develop their communication skills in the interpretive, presentational, and interpersonal communication modes. Students are expected to critically analyze, and respond to a significant amount of advanced literature in a variety of genres. The expected outcome of this course is developing Intermediate-High to Advanced-Mid proficiency. **This course is conducted in German.**

German VI is an advanced language course that focuses on further developing proficiency levels in the interpersonal, interpretive, and presentational communication modes. There is specific focus on engaging in conversations in all time frames and register for a variety of target-language and target-culture communities. Students are expected to plan, produce, and present with consistent ease and clarity in multiple paragraph length discourse. The expected outcome of this course is developing Advanced-Mid and Advanced-High proficiency. **This course is conducted in German.**

Spanish I is the introductory course in the Spanish language and culture. During this course, students will develop speaking, writing, reading, and listening skills in Spanish around topics related to the everyday life of a student. Students will use Spanish in the interpersonal, interpretive, and presentational communication modes as the basis for meeting the TEKS. Students will gain an understanding of culturally appropriate responses and practices. Students in this course are expected to reach a proficiency level of Novice Mid-High. **This course is conducted in Spanish a significant amount of time.**

Spanish II continues to introduce students to Spanish language and culture. During this course, the students will continue to develop speaking, writing, reading, and listening skills in Spanish that expand on topics beyond the everyday life of the student into the real world. Students will use Spanish in the context of interpersonal, interpretive, and presentational modes as the basis for meeting the TEKS. Students will use culturally appropriate responses and practices. Students in this course are expected to reach a proficiency level of Intermediate Low. **This course is conducted in Spanish a significant amount of time.**

Spanish III engages students in Spanish language and culture in depth. Students continue to grow their listening, speaking, reading and writing proficiency in a variety of contexts with increasing complexity. Students will use Spanish in the interpersonal, interpretive, and presentational communication modes. Students in this course are expected to reach a proficiency level of Intermediate Low to Intermediate Mid. **This course is conducted primarily in Spanish.**

Spanish III/PAP engages students in Spanish language and culture in depth. Students continue to grow their listening, speaking, reading and writing proficiency in a variety of contexts with increasing complexity. Students demonstrate rigorous critical thinking through the interpersonal, interpretive, and presentational communication modes in Spanish. Students in this course are expected to reach a proficiency level of Intermediate Low to Intermediate Mid. **This course is conducted primarily in Spanish.**



**SPANISH IV ADVANCED  
PLACEMENT, (Inter-M to Inter-H)**

**19452002**

Credits: 1  
Grade: 9-12  
GPA Level: 3  
Prerequisite: Spanish III or Placement  
Interview

This course prepares students to take the Advanced Placement (AP) Spanish Language & Culture exam. Students will demonstrate listening, speaking, reading and writing proficiency in a variety of contexts and themes with increasing complexity. Students will demonstrate rigorous critical thinking and an understanding of cultural products, practices, and perspectives of the Spanish -speaking world. Students in this course are expected to reach a proficiency level of Intermediate Mid to Intermediate High proficiency. **This course is conducted in Spanish.**

**SPANISH V PRE-ADVANCED  
PLACEMENT, (Inter-H Adv-M)**

**19452521**

Credits: 1  
Grade: 9-12  
GPA Level: 2  
Prerequisite: Spanish IV or Placement  
Interview

Spanish V Pre-Advanced Placement provides foundational knowledge of Spanish, Latin-American, and U.S. Latino literature to prepare students for the AP Spanish Literature and Culture exam. Students will also continue to practice their critical reading and analytical writing skills. The expected outcome of this course is developing Intermediate-High to Advanced-Mid proficiency. **This course is conducted in Spanish.**

**SPANISH VI ADVANCED  
PLACEMENT, (Adv-M to Adv-H)**

**19453002**

Credits: 1  
Grade: 10-12  
GPA Level: 3  
Prerequisite: Spanish V or Placement  
Interview

Spanish VI Advanced Placement (AP) prepares students to take the AP Spanish Literature & Culture exam. This course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American and U.S. Hispanic literature. Students will further develop their Spanish proficiency with special attention to critical reading and analytical writing. Students in this course are expected to reach a proficiency level of Advanced-High proficiency. **This course is conducted in Spanish.**

**LATIN I, (Novice-L to Inter-L)**

**19460000**

Credits: 1  
Grade: 9-12  
GPA Level: 1  
Recommendation or Prerequisite: None

In Latin I, students will learn the most basic Latin reading, writing, listening, speaking, and language skills. Students will read level-appropriate Latin for comprehension, as well as learn to compose in Latin. English derivatives of Latin words and Roman culture are also emphasized. The expected outcome of this course is developing Novice Low to Intermediate Low proficiency across various linguistic skills. **This course requires students to read and write in Latin a significant amount of time.**

**LATIN II, (Novice-M to Inter-M)**

**19460500**

Credits: 1  
Grade: 9-12  
GPA Level: 1  
Prerequisite: Latin I or Placement  
Interview

In Latin II, students continue to study basic reading, writing, speaking, culture, and language skills. Students will read level-appropriate Latin for comprehension, as well as learn to compose in Latin. Word roots and cultural influences on our language/society will continue to be stressed. The expected outcome of this course is developing Novice Mid to Intermediate Mid proficiency across various linguistic skills. **This course requires students to read and write in Latin a significant amount of time.**

**LATIN III PRE-ADVANCED  
PLACEMENT, (Novice-M to Adv.-L)**

**19461021**

Credits: 1  
Grade: 10-12  
GPA Level: 2  
Prerequisite: Latin II or Placement  
Interview

Latin III Pre-Advanced Placement (Pre-AP) is for students who have reached a high level of reading and composition proficiency during the first two courses. Level appropriate texts in this course will include a strand of study over authentic Latin texts to help prepare students for the Advanced Placement testing opportunity. The expected outcome of this course is developing Novice Mid to Advanced Low proficiency across various linguistic skills. **This course requires students to read and write in Latin a significant amount of time.**

**LATIN IV ADVANCED  
PLACEMENT, (Novice-M to Adv.-M)**

**19461502**

Credits: 1  
Grade: 10-12  
GPA Level: 3  
Prerequisite: Latin III or Placement  
Interview

Latin IV Advanced Placement (AP) prepares students to take the AP Latin exam. Students are expected to read, understand, translate, and analyze Latin poetry and prose. This course prepares students to develop their Latin skills through literal translation of poetry and prose, reading with comprehension of sight passages, and written analyses that demonstrates critical reading skills. Students in this course are expected to reach a proficiency level of Advanced Low to Mid in Latin reading and Advanced Low to Advanced Mid across various other linguistic skills. **This course requires students to read Latin exclusively.**

**LATIN V, (Nov-H to Superior Low)****19462000**

Credits: 1

Grade: 11-12

GPA Level: 2

Prerequisite: Latin IV or Placement

Interview

Students in Latin V will continue to refine reading, writing, speaking, listening, and language skills. This course is for students who have reached a high level of reading and composition proficiency during previous years of study. Only authentic Latin will be read. It is assumed that students have a full understanding of the Latin grammar system. Students in this course are expected to reach a proficiency level of Advanced High to Superior Low in Latin reading and Novice-High to Superior-Low proficiency across other linguistic skills. **This course requires students to read and/or write Latin exclusively.**

**LATIN VI, (Nov-H to Superior Low)****19462100**

Credits: 1

Grade: 11-12

GPA Level: 2

Prerequisite: Latin V or Placement

Interview

Students in Latin VI will continue to refine reading, writing, speaking, listening, and language skills. This course is for students who have reached a high level of reading and composition proficiency during previous years of study. Only authentic Latin will be read. It is assumed that students have a full understanding of the Latin grammar system. Students in this course are expected to reach a proficiency level of Advanced High to Superior Low in Latin reading and Novice-High to Superior-Low proficiency across other linguistic skills. **This course requires students to read and/or write Latin exclusively.**

**COMPUTER SCIENCE I****79168600**

Credits: 1

Grade: 9-12

Recommendation or Prerequisite: None

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. **Students must also complete Computer Science II in order to satisfy the LOTE requirement for the FHSP. This is a Tech Apps course.**

**COMPUTER SCIENCE II****79168700**

Credits: 1

Grade: 9-12

GPA Level: 1

Prerequisite: Computer Science I

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts. **This is a Tech Apps course.**

# JOURNALISM

LISD COURSE #	COURSE	GRADE	CREDIT
7932000	JOURNALISM	9-12	1
79322000	ADVANCED JOURNALISM – NEWSPAPER PRODUCTION I STATE	10-12	1
79322100	ADVANCED JOURNALISM – NEWSPAPER PRODUCTION I LOCAL	10-12	1
79322500	ADVANCED JOURNALISM – NEWSPAPER PRODUCTION II STATE	11-12	1
79322600	ADVANCED JOURNALISM – NEWSPAPER PRODUCTION II LOCAL	11-12	1
79323000	ADVANCED JOURNALISM – NEWSPAPER PRODUCTION III STATE	11-12	1
19AE3000	ADVANCED JOURNALISM – NEWSPAPER PRODUCTION III STATE	11-12	1
79320500	ADVANCED JOURNALISM – YEARBOOK PRODUCTION I STATE	10-12	1
79320700	ADVANCED JOURNALISM – YEARBOOK PRODUCTION I LOCAL	10-12	1
79321000	ADVANCED JOURNALISM – YEARBOOK PRODUCTION II STATE	10-12	1
79321400	ADVANCED JOURNALISM – YEARBOOK PRODUCTION II LOCAL	10-12	1
19AE1500	ADVANCED JOURNALISM – YEARBOOK PRODUCTION III STATE	10-12	1
79321600	ADVANCED JOURNALISM – YEARBOOK PRODUCTION III LOCAL	10-12	1
79324000	ADVANCED JOURNALISM – LITERARY MAGAZINE PRODUCTION I STATE	10-12	.5-1
79324500	ADVANCED JOURNALISM – LITERARY MAGAZINE PRODUCTION II STATE	11-12	.5-1
79325000	ADVANCED JOURNALISM – LITERARY MAGAZINE PRODUCTION III STATE	11-12	.5-1
79325500	ADVANCED JOURNALISM BROADCAST I STATE	10-12	.5-1
79325400	ADVANCED JOURNALISM BROADCAST I LOCAL	10-12	.5-1
79325600	ADVANCED JOURNALISM BROADCAST II STATE	11-12	.5-1
79325800	ADVANCED JOURNALISM BROADCAST II LOCAL	11-12	.5-1
19AE5700	ADVANCED JOURNALISM BROADCAST III STATE	12	1
79325900	ADVANCED JOURNALISM BROADCAST III LOCAL	12	1
19AE1100	INDEPENDENT STUDY JOURNALISM	12	1
79323500	PHOTOJOURNALISM	10-12	1

# SPEECH & DEBATE

LISD COURSE #	COURSE	GRADE	CREDIT
79800300	PROFESSIONAL COMMUNICATIONS	9-12	.5
79800390	PROFESSIONAL COMMUNICATION – VIRTUAL LEARNING	9-12	.5
79800336	PROFESSIONAL COMMUNICATION DUAL CREDIT (BUSINESS & PROFESSIONAL SPEECH – SPCH 1321)	9-12	.5
79700500	ORAL INTERPRETATION	9-12	.5
79701000	PUBLIC SPEAKING I	9-12	1
79701500	PUBLIC SPEAKING II	10-12	1
19AE2000	PUBLIC SPEAKING III	11-12	1
79702500	DEBATE I-STATE	9-12	1
79702600	DEBATE I-LOCAL	9-12	1
79703100	DEBATE II-STATE	10-12	1
79703000	DEBATE II-LOCAL	10-12	1
19AE3500	DEBATE III-STATE	11-12	1
79703600	DEBATE III-LOCAL	11-12	1
19AE4100	INDEPENDENT STUDY SPEECH	12	1

## JOURNALISM COURSE DESCRIPTIONS

### JOURNALISM

Course 79320000

Credits 1

Grade: 9-12

Recommendation or Prerequisite: None

This course will provide students the opportunity to learn the art of journalistic writing. The class will study the basic features of journalism, including its history, advertising, the media, and basic yearbook and/or newspaper production. **This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities.**

### ADVANCED JOURNALISM – NEWSPAPER PRODUCTION I

Course 79322000 (State), 79322100 (Local)

Credits 1-2

Grade: 10-12

Recommendation or Prerequisite: Teacher approval

Students will become familiar with newspaper production techniques and journalistic writing techniques to the extent that the students will write and publish a school newspaper on a monthly basis. **This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities. Out-of-class time is required.**

### ADVANCED JOURNALISM – NEWSPAPER PRODUCTION II

Course 79322500 (State), 79322600 (Local)

Credits 1-2

Grade: 11-12

Recommendation or Prerequisite: Advanced Journalism – Newspaper Production I and Teacher approval

This course continues teaching the techniques of feature, editorial, investigative, and interpretative news writing. It offers additional practice in determining news coverage and editorial policy and in the selecting, cropping, and scaling of photographs. The course also includes the practical application of newspaper production and management skills (graphics designs, digital photography and desktop publishing). **This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities. Out-of-class time is required.**

### ADVANCED JOURNALISM – NEWSPAPER PRODUCTION III

Course 19AE3000

Credits 1 Local

Grade: 11-12

Recommendation or Prerequisite: Advanced Journalism – Newspaper Production I, Advanced Journalism – Newspaper Production II, and Teacher approval

This course includes activities individually designed for students whose levels of achievement in newspaper journalism allow them to pursue work individually or in small groups, with the teacher serving as advisor and resource person. It deals with the study of the characteristics of newspaper pages, style sheets, and copy reading/proofreading symbols. **This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities. Out-of-class time is required.**

### ADVANCED JOURNALISM— YEARBOOK PRODUCTION I

Course 79320500 (State), 79320700 (Local)

Credits 1-2

Grade: 10-12

Recommendation or Prerequisite: Teacher approval

Students will become aware of publishing techniques to the extent that they will produce the school yearbook. Specialized writing, advertising, graphics, design and layout, and editing are taught in this course. **This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities. Out-of-class time is required.**

### ADVANCED JOURNALISM— YEARBOOK PRODUCTION II

Course 79321000 (State), 79321400 (Local)

Credits 1-2

Grade: 10-12

Recommendation or Prerequisite: Advanced Journalism – Yearbook Production I and Teacher approval

This course studies and applies the elements and processes necessary to produce the student yearbook. It develops skills in news judgment, fact gathering, photography, headline and caption writing, graphic design and layout, proofing, and editing. The course also includes digital photography, Desktop Publishing and database management. **This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities. Out-of-class time is required.**

### **ADVANCED JOURNALISM— YEARBOOK PRODUCTION III**

Course **19AE1500 (State) 79321600 (Local)**

Credits 1-2

Grade: 10-12

Recommendation or Prerequisite: Advanced Journalism – Yearbook Production I, Advanced Journalism – Yearbook Production II, and Teacher approval

This course includes activities individually designed for students whose levels of achievement in magazine journalism allow them to pursue work individually or in small groups, with the teacher serving as advisor and resource person. It deals with the study of the characteristics of magazine and student yearbook pages, style sheets, and copy reading/proofreading. Skills from Production II are also enhanced. The course pursues the study of basic management concepts, time management, and organizational planning. **This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities. Out-of-class time work is required.**

### **ADVANCED JOURNALISM - LITERARY MAGAZINE PRODUCTION I**

Course **79324000**

Credits .5-1

Grade: 10-12

Recommendation or Prerequisite: Teacher Approval

In this course, students will learn many aspects of magazine production using desktop publishing, including graphic design and page layout. They will also learn to edit and select student work for its literary and artistic merit. Student will be taught to market and advertise the publication. **Out-of-class time is required.**

### **ADVANCED JOURNALISM - LITERARY MAGAZINE PRODUCTION II**

Course **79324500**

Credits .5-1

Grade: 11-12

Recommendation or Prerequisite: Teacher Approval and Advanced Journalism-Literary Magazine Production I

This is a continuation of Advanced Journalism-Literary Magazine Production I. Students will continue to work on magazine production with more emphasis on editing skills, basic management concepts, time management, financial planning and organizational planning. **Out-of-class time is required.**

### **ADVANCED JOURNALISM - LITERARY MAGAZINE PRODUCTION III**

Course **79325000**

Credits .5-1

Grade: 11-12

Recommendation or Prerequisite: Advanced Journalism-Literary Magazine Production I, Advanced Journalism-Literary Magazine Production II, and Teacher Approval

This is a continuation of Advanced Journalism-Literary Magazine Production II with increased emphasis on production planning, editing and management. **Out-of-class time is required.**

### **ADVANCED JOURNALISM – BROADCAST I**

Course **79325500 (State), 79325400 (Local)**

Credits .5-1

Grade: 10-12

Recommendation or Prerequisite: Teacher Approval

Students will learn all elements of broadcast journalism including script writing, law, ethics, and technology. Students will produce a news program on a regular basis. **Out-of-class time is required.**

### **ADVANCED JOURNALISM- BROADCAST II**

Course **79325600 (State), 79325800 (Local)**

Credits .5-1

Grade: 10-12

Recommendation or Prerequisite: Teacher Approval

Students will learn advanced elements of broadcast journalism. Students will produce programs on a regular basis. **Out-of-class time is required.**

### **ADVANCED JOURNALISM- BROADCAST III**

Course **19AE5700 (State) 79325900 (Local)**  
Credits 1  
Grade: 12  
Recommendation or Prerequisite: Teacher Approval

Students will learn advanced elements of broadcast journalism. Students will produce programs on a regular basis. **Out-of-class time is required.**

### **INDEPENDENT STUDY JOURNALISM**

Course **19AE1100**  
Credits: 1  
Grade: 12  
GPA Level: 1

This course develops skills in news judgment, fact gathering, photography, headline and caption writing, graphic design and layout, proofing, and editing. **This is a writing-intensive course, and students need to demonstrate strong, independent writing abilities. Out-of-class time work is required.**

### **PHOTOJOURNALISM**

Course **79323500**  
Credits 1  
Grade: 10-12  
Recommendation or Prerequisite: Teacher Approval

Students will learn photojournalism principles, darkroom techniques, and historic development of photojournalism to the extent that they will become aware of which subjects will provide the best journalistic coverage, will be able to capture that subject on film, and reproduce it in the form of a print. Digital photography will be studied. Expenses per term, exclusive of the purchase of the 100 + SLR camera, will be approximately \$150.00.

## **SPEECH & DEBATE COURSE DESCRIPTIONS**

### **PROFESSIONAL COMMUNICATIONS**

Course **79800300**  
Credits .5  
Grade: 9-12  
Recommendation or Prerequisite: None

Professional Communications provides experiences that enable students to be competitive in the global economy by using a combination of communication, listening, and critical-thinking and problem-solving skills. Students will create professional presentations using business-related technology applications, web 2.0 tools, and additional technologies as appropriate.

### **PROFESSIONAL COMMUNICATIONS-VIRTUAL LEARNING**

Course **79800390**  
Credits .5  
Grade: 9-12  
Recommendation or Prerequisite: None

Professional Communications provides experiences that enable students to be competitive in the global economy by using a combination of communication, listening, and critical-thinking and problem-solving skills. Students will create professional presentations using business-related technology applications, web 2.0 tools, and additional technologies as appropriate. Students will maintain a professional portfolio to share with prospective colleges and employers. Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet face-to-face for collaboration, group work and personalized instruction.

### **PROFESSIONAL COMMUNICATION DUAL CREDIT**

Course **79800336**  
Credits .5  
Grade: 11-12  
Recommendation or Prerequisite: None

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. Students/Parents/Guardians are responsible for tuition, fees, and textbook costs. Students on free/reduced lunch are not charged tuition for dual credit courses. **(BUSINESS & PROFESSIONAL SPEECH-SPCH 1321)**

### **ORAL INTERPRETATION**

Course **79700500**  
Credits .5  
Grade: 9-12  
Recommendation or Prerequisite: None

This course is designed to develop an appreciation for literature as art, and an ability to communicate that art through use of voice and body. **Competitive events may be required.**

### **PUBLIC SPEAKING I**

Course **79701000**  
Credits 1  
Grade: 9-12  
Recommendation or Prerequisite: None

This is an introductory course in speaking, including all types of speeches and an introduction to oral interpretation, extemporaneous speaking, debate, and oratory. **Tournament participation is optional.**

## **PUBLIC SPEAKING II**

Course **79701500**

Credits 1

Grade: 10-12

Recommendation or Prerequisite: Public Speaking I

This course is for students in speech whose interests lie in developing confidence and style in public speaking. Tournament participation is required.

## **PUBLIC SPEAKING III**

Course **19AE2000**

Credits: 1

Grade: 11-12

GPA Level: 1

This is a course for students in speech whose interests lie in developing confidence and style in public speaking. **Tournament participation is required.**

## **DEBATE I**

Course **79702500 (State), 79702600 (Local)**

Credits 1

Grade: 9-12

Recommendation or Prerequisite: None

This course is designed to introduce and develop the concept of formalized argument, the skills of persuasion and cross-examination, the power of rhetoric, and the fundamentals of the National Forensic League's Student Congress. The student will learn to prepare affirmative and negative briefs, with evidence, in preparation for eventual participation in varsity level policy or Lincoln-Douglas debate. **Participation in individual speaking and debate contests is encouraged.**

## **DEBATE II**

Course **79703000 (State), 79703100 (Local)**

Credits 1

Grade: 10-12

Recommendation or Prerequisite: Debate I and Teacher Approval

This course is for the second-year student in debate. Emphasis is on actual tournament debating, preparation of briefs, and extensive preparation of the appropriate cases and negative evidence for the national debate topic, Texas Forensic Association (TFA), National Forensic League (NFL), and Lincoln-Douglas topics as selected. **Participation in individual speaking and debate contests is required.**

## **DEBATE III**

Course **19AE3500 (State) 79703600 (Local)**

Credits 1

Grade: 11-12

Recommendation or Prerequisite: Debate I, Debate II, and Teacher Approval

This course is for the third-year student in debate. The national political debate topic, Texas Forensic Association (TFA), National Forensic League (NFL), and Lincoln-Douglas topics as selected are the basis for debate experience. **Participation in individual speaking and debate contests is required; regional and state Mock Trial Competition is optional.**

## **INDEPENDENT STUDY SPEECH**

Course **19AE0400**

Credits 1

Grade: 12

Recommendation or Prerequisite: Teacher Approval

This course allows students to develop and participate in an individualized plan to enhance speech communication skills by applying public speaking, oral interpretation, or debate skills to public performances. Presentation outlets may be academic-, community-, or competition-based with teacher approval. **External performance is required.** May be repeated for credit.

## ACADEMIC PREP & LEADERSHIP

LISD COURSE #	COURSE	GRADE	CREDIT
19100100	ACADEMIC DECATHLON	9-12	.5 - 1
19746500	ACADEMIC OCTATHLON	9-10	1
79481202	AP SEMINAR	10-11	1
79481402	AP RESEARCH	11-12	1
19100500	PSAT TEAM	11	.5
19101000	PSAT CLASS	11	.5
19101500	SAT/ACT PREP CLASS	11-12	.5
19101520	SAT/PSAT/ACT PREP CLASS BLENDED	11-12	.5
19262026	STAAR REVIEW: LANGUAGE ARTS	9-12	.5 - 1.5
19339026	STAAR REVIEW: MATHEMATICS	9-12	.5 - 1.5
19339526	STAAR REVIEW: SCIENCE	9-12	.5 - 1.5
19340026	STAAR REVIEW: SOCIAL STUDIES	9-12	.5 - 1.5
19262518	MTA READING I	9-12	.5 - 1
19263018	MTA READING II	9-12	.5 - 1
19261600	COLLEGE READINESS AND STUDY SKILLS	11-12	.5
19261700	READING APPLICATIONS	9-10	.5
19257500	READING I	9-12	.5 - 1
19258000	READING II	9-12	.5 - 1
19258500	READING III	9-12	.5 - 1
79480000	PEER ASSISTANCE AND LEADERSHIP TRAINING (PAL I)	11-12	.5 - 1
79480500	PEER ASSISTANCE AND LEADERSHIP TRAINING (PAL II)	11-12	.5 - 1
79481000	TEEN LEADERSHIP	9-12	.5
79481200	TEEN LEADERSHIP II	9-12	.5
79482000	STUDENT COUNCIL	9-12	.5
79482500	STUDENT LEADERSHIP	9-12	.5 - 1
79900000	STUDENT AIDE	11-12	.5 - 1

## ACADEMIC PREP & LEADERSHIP COURSE DESCRIPTIONS

### ACADEMIC DECATHLON

19100100

Credits: .5-1 (Local credit)

Grade: 9-12

GPA Level: 3

Recommendation:

Academic Decathlon provides an intensive, exciting, demanding, and rewarding educational experience that culminates with competition in area, state, and national competitions. Higher level and critical thinking skills, creative and productive thinking, and independent and guided research are all used in preparation for the competition experienced through the Decathlon program. In researching and writing a speech, students will compose an original paper for oral delivery that encompasses an evaluative and critical process. Additional time beyond regular school hours is often required.

### ACADEMIC OCTATHLON

19746500

Credits: 1 (Local)

Grade: 9-10

Academic Octathlon is an 18 week elective for freshmen and sophomores who wish to compete in eight academic areas: art, music, language and literature, social studies, science, math, economics, and the Super Quiz over a new subject each year. Past Super Quiz topics have been the human brain, the Internet, world trade, the Lewis and Clark Expedition and astronomy. The team is composed of nine students: three students with 'A' averages, three with 'B' averages and three with 'C' averages. The class is offered the third and fourth nine weeks in the spring term.

### AP SEMINAR

AP Seminar is the first of two courses designed to allow students to complete the



79481202  
Credits: 1  
Grade: 10-11  
GPA Level: 3  
Recommendation: None

new diploma from College Board. In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. This course is only available at FMHS main campus. Prerequisites required by College Board may impact student eligibility for enrollment.

**PSAT TEAM**

19100500  
Credits: .5 (Local)  
Grade: 11  
Recommendation: By invitation

The PSAT Team is an intensive educational experience that prepares students for the PSAT administered in October of the junior year. The rigorous instruction is designed to improve both verbal and quantitative test scores. An integral component of this course is attendance at a 20-hour summer seminar and four Saturday sessions preceding the October PSAT administration.

**PSAT CLASS**

19101000  
Credits: .5 (Local)  
Grade: 11  
Recommendation: Passing score on English 1 and Algebra 1  
STAAR

The PSAT Class is open to those Juniors who want to develop their verbal and quantitative skills in preparation for the October PSAT. Students can expect a demanding course of study and may be required to attend a 20-hour summer seminar and four Saturday sessions preceding the October PSAT administration. Purchase of the SAT Study Guide is recommended.

**SAT/ACT PREP CLASS**

19101500  
Credits: .5 (Local)  
Grade: 11-12  
Recommendation: Passing score on English 1 and Algebra 1  
STAAR

The SAT Prep. Class is available to any Junior or Senior who wants help preparing for the SAT. Test taking skills and specific test items are emphasized for both the verbal and quantitative sub-tests. An ACT component will also be included. Purchase of the SAT Study Guide is required at some campuses and recommended at others.

**SAT/PSAT/ACT PREP CLASS  
BLENDED**

19101520  
Credits: .5 (Local)  
Grade: 11-12  
Requirements: \$300 course fee

For the SAT and PSAT, students must sharpen their critical thinking, math conceptualization, reading and vocabulary skills. This Online course is designed as a test review course that will help students apply knowledge to practical problems taken from the SAT exams and learn key test-taking strategies. It provides valuable opportunity for students to learn how to tackle the mandatory essay with confidence, and learn strategies and shortcuts to overcome the many traps on the SAT and PSAT. An ACT component will also be included. Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet face-to-face for collaboration, group work and personalized instruction. Purchase of *The Official SAT Study Guide* is required.

**STAAR REVIEW: LANGUAGE ARTS**

19262026  
Credits: .5 – 1.5(Local)  
Grade: 9-12  
Recommendation: Course is required for each student who fails the STAAR

This course provides instruction and strategies to prepare students to pass the STAAR Language Arts test, which includes both reading and writing required for high school graduation.

**STAAR REVIEW: MATHEMATICS**

19339026  
Credits: .5 – 1.5(Local)  
Grade: 9-12  
Recommendation: Course is required for each student who fails the STAAR

Instruction in this course will focus on skills/concepts and processing skills related to the STAAR objectives.

**STAAR REVIEW: SCIENCE**

19339526  
Credits: .5 – 1.5(Local)  
Grade: 9-12  
Recommendation: Course is required for each student who fails the STAAR

Instruction in this course will focus on skills/concepts and processing skills related to the STAAR objectives.

**STAAR REVIEW: SOCIAL STUDIES**

19340026

Credits: .5 – 1.5(Local)

Grade: 9-12

Recommendation: Course is required for each student who fails the STAAR

Instruction in this course will focus on skills/concepts and processing skills related to the STAAR objectives.

**MTA READING I**

19262518

Credits: .5 – 1 (Local)

Grade: 9-12

Recommendation: Dyslexia screening and 504 placement

A multi-sensory reading program which provides specific skill instruction for approved students.

**MTA READING II**

19263018

Credits: .5 – 1 (Local)

Grade: 9-12

Recommendation: Dyslexia screening and 504 placement

A multi-sensory reading program which provides specific skill instruction for approved students.

**COLLEGE READINESS & STUDY SKILLS**

19261600

Credits: .5

Grade: 11-12

Recommendation:

Recommended for college or trade school bound students

This course is for high school students who are looking ahead to life after high school, whether that involves college, trade school, or the workforce. Students will learn study skills for better academic performance and how to develop their reading skills to ensure success in whatever path they choose. Topics covered will include time management, vocabulary development, listening skills, and note-taking. Improving reading levels and increasing student background knowledge are stressed, as well as some practical applications of these skills and strategies.

**READING APPLICATIONS**

19261700

Credits: .5 (Local)

Grade: 9-10

Recommendation: None

This course is designed for freshmen and sophomores adjusting to the increased academic demands of high school, and will focus on improving the student's reading skills and capacities, as well as developing productive strategies for studying, goal setting, and time management.

**READING I**

Course 19257500

Credits .5-1

Grade: 9-12

Recommendation or

Prerequisite: Demonstrated

Reading Improvement Need

This course is designed for students who need additional help to develop their reading skills by developing vocabulary, increasing fluency, improving reading speed, and building comprehension for a variety of texts. The classes will assess individual student abilities and design a growth program to move students to an increased reading capacity through whole class, small group, and individual reading structures.

**READING II**

Course 19258000

Credits .5-1

Grade: 9-12

Recommendation or

Prerequisite: Demonstrated

Reading Improvement Need and Reading I

**This course is designed to continue the reading development work of students who still need additional reading support after completing Reading I.** The course is for students who need additional help to develop their reading skills by developing vocabulary, increasing fluency, improving reading speed, and building comprehension for a variety of texts. The classes will assess individual student abilities and design a growth program to move students to an increased reading capacity through whole class, small group, and individual reading structures.

**READING III**

Course 19258500

Credits .5-1

Grade: 9-12

Recommendation or

Prerequisite: Demonstrated

Reading Improvement Need,

**This course is designed to continue the reading development work of students who still need additional reading support after completing Reading I and Reading II.** This course is designed for students who need additional help to develop their reading skills by developing vocabulary, increasing fluency, improving reading speed, and building comprehension for a variety of texts. The classes will assess individual student abilities and design a growth program to move students to an increased reading capacity through whole class, small group, and individual reading

Reading I, and Reading II

**PEER ASSISTANCE & LEADERSHIP TRAINING (PAL I)**

79480000

Credits: .5 - 1

Grade: 11-12

Recommendation: Nomination, Application, Recommendation, Interview

structures.

The Peer Assistance and Leadership Training Program will address two groups: (1) high school students who will work as peer facilitators with students on their own campus as well as with elementary and middle school students from the feeder schools; and (2) the recipients of the services. Curriculum for PAL peer helpers will include the development of knowledge and skills in social and listening skills, confidentiality and liability issues, group dynamics, communication skills, helping and facilitating strategies, decision-making and problem-solving skills, conflict resolution, peer pressure reversal, and dealing with grief and loss.

**PEER ASSISTANCE AND LEADERSHIP TRAINING (PAL II)**

79480500

Credits: .5 - 1

Grade: 11-12

Recommendation: Peer Assistance And Leadership Training I and Nomination, Application, Recommendation, Interview

The Peer Assistance Leadership Training II course is a peer helping program in which selected high school students will be trained to work as peer facilitators with other students on their own campuses, and/or from feeder middle and elementary schools. Likewise, the Peer Assistance and Leadership course is intended to provide a field experience for young people who are potentially interested in careers in education and/or related helping professions.

**TEEN LEADERSHIP**

79481000

Credits: .5

Grade: 9-12

Recommendation: None

Teen Leadership is a program in which students learn to develop a healthy self-concept, healthy relationships, and to understand the concept of personal responsibility. Students will develop skills in public speaking and communication, and an awareness about personal image. They will develop the concept and principles for decision making. They will develop an understanding of the effects of peer pressure, will develop skills to counteract those effects, and will develop problem-solving skills. They will also develop an understanding of the need for vision in goal setting and setting personal goals.

**TEEN LEADERSHIP II**

79481200

Credits: .5

Grade: 9-12

Recommendation: Teen Leadership I

Teen Leadership II is a highly interactive course that provides continual leadership development. A major focus will be student-led service projects. It will further strengthen self-concept and interpersonal skills. Students will be able to apply and practice the leadership skills they have learned while being involved with the community.

**STUDENT COUNCIL**

79482000

Credits: .5 (Local)

Grade: 9-12

Recommendation: Teacher Approval

This course is designed for student council members focusing on leadership skills.

**STUDENT LEADERSHIP**

79482500

Credits: .5 - 1

Grade: 9-12

Recommendation: Teacher Approval

This course is for student council members and officers and is designed for students to improve their leadership skills. Students will demonstrate these skills in dealing with peers, school administrators and the community.

**STUDENT AIDE**

This course is designed to provide student assistants for the office, library, science labs, physical education classes, industrial arts classes, theater classes and counselor's office.

# ATHLETICS

The following are offered at: Lewisville High, Marcus High, The Colony High, Flower Mound High, and Hebron High Schools. All athletic programs are offered for 18 weeks for one (1) credit. Per TEA, students may not earn more than 4.0 state PE requirements during high school. Students receive a state credit (1) for fall and a local credit (1) for spring.

University Interscholastic League (UIL): <http://www.uil texas.org/athletics> Lewisville ISD Athletics homepage:

<https://lewisvillesports.rankonesport.com> NCAA Eligibility Center: [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

For information regarding a specific program, please visit the campus website

FALL/STATE CREDIT		SPRING/LOCAL CREDIT			
29120100	BASEBALL	STATE	29127400	BASEBALL	LOCAL
29120500	BOYS' FRESHMAN BASKETBALL	STATE	29127600	BOYS' FRESHMAN BASKETBALL	LOCAL
29130400	BOYS' JV/VARSITY BASKETBALL	STATE	29122800	BOYS' JV/VARSITY BASKETBALL	LOCAL
29121900	FRESHMAN FOOTBALL	STATE	29120300	FRESHMAN FOOTBALL	LOCAL
29128300	JV/VARSITY FOOTBALL	STATE	29121300	JV/VARSITY FOOTBALL	LOCAL
29120600	BOYS' J.V. SOCCER	STATE	29124300	BOYS' J.V. SOCCER	LOCAL
29120700	BOYS' VARSITY SOCCER	STATE	29124800	BOYS' VARSITY SOCCER	LOCAL
29128500	WRESTLING	STATE	29127300	WRESTLING	LOCAL
29122600	GIRLS' FRESHMAN BASKETBALL	STATE	29145300	GIRLS' FRESHMAN BASKETBALL	LOCAL
29122400	GIRLS' BASKETBALL	STATE	29140100	GIRLS' BASKETBALL	LOCAL
29122900	GIRLS' JV SOCCER	STATE	29144600	GIRLS' JV SOCCER	LOCAL
29122300	GIRLS' SOCCER	STATE	29141600	GIRLS' SOCCER	LOCAL
29142600	SOFTBALL	STATE	29142800	SOFTBALL	LOCAL
29140900	VOLLEYBALL	STATE	29141400	VOLLEYBALL	LOCAL
29120900	CROSS COUNTRY	STATE	29123300	CROSS COUNTRY	LOCAL
29128200	TRACK	STATE	29123800	TRACK	LOCAL
29120600	BOYS' J.V. SOCCER	STATE	29125800	SWIMMING	LOCAL
29123100	SWIMMING	STATE	29125900	GOLF	LOCAL
29135600	GOLF	STATE	29126600	TENNIS	LOCAL
29128100	TENNIS	STATE	29127100	JV TENNIS	LOCAL
29128000	JV TENNIS	STATE	29127400	BASEBALL	LOCAL

## SPORTS MEDICINE (DOES NOT COUNT FOR PE CREDIT)

SPORTS MEDICINE I	SPORTS MEDICINE II
<b>29121500</b>	<b>29121600</b>
<b>CREDITS: .5-1.0</b>	<b>CREDITS: .5-1.0</b>
<b>GRADE: 9-12</b>	<b>GRADE: 9-12</b>
<b>RECOMMENDATION: NONE</b>	<b>PREREQUISITE: SPORTS MED I &amp; TRAINER APPROVAL</b>
This course provides an opportunity for the study and application of the components of sports medicine including but not limited to: sports medicine related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise.	This course is designed for athletic training students. It provides an in-depth study and application of the components of sports medicine including but not limited to: basic rehabilitative techniques; therapeutic modalities; wound care, taping and bandaging techniques, prevention, recognition, and care of musculoskeletal injuries; injuries to the young athlete; drugs in sports; modern issues in sports medicine. Individualized and independent assignments will be included in this course. This course will involve outside-of-class time homework and time required working with athletes and athletic teams.

## PHYSICAL EDUCATION (PE) & PE SUBSTITUTIONS

**Note: One (1.0) credit of physical education required for the Foundation High School Program. A maximum of four (4.0) state credits may be earned through any combination of PE courses or PE substitutions. The remaining credits will be local credits. All students receiving PE credit will be assessed on their physical fitness using the FITNESSGRAM Assessment.**

LISD COURSE #	COURSE	GRADE	CREDIT
29301100	FOUNDATIONS OF PERSONAL FITNESS	9-12	.5
29301190(A)/29301290(B)	FOUNDATIONS OF PERSONAL FITNESS-VIRTUAL LEARNING	9-12	.5-1
29301700	AEROBIC ACTIVITIES/RECREATIONAL DANCE	9-12	.5
29302200	INDIVIDUAL SPORTS	9-12	.5
29303200	TEAM SPORTS	9-12	.5
29309100	OUTDOOR EDUCATION	9-12	.5
29308600	PE PARTNERS	9-12	.5-1.0
PE SUBSTITUTIONS			
29121700	PE SUB- EXTERNAL PE	9-12	.5
29121800	PE SUB- FRESHMAN CHEERLEADING	9	1.0
29304100	PE SUB- JV CHEERLEADING	10-11	1.0
29303800	PE SUB – VARSITY CHEERLEADING	11-12	1.0
29121400	PE SUB- DRILL TEAM	9-12	1.0 (FALL ONLY)
29306100	PE SUB-DANCE 2	9-12	1.0
SEE ATHLETICS PAGE	PE SUB -ATHLETICS	9-12	.5
	PE SUB- MARCHING BAND	9-12	.5 (1 <sup>ST</sup> 9 WEEKS)
	PE SUB - JROTC	9-12	.5
HEALTH (DO NOT COUNT AS PE CREDIT)			
29300000	HEALTH EDUCATION	9-12	.5
29300500	ADVANCED HEALTH EDUCATION	11-12	.5



**External PE** is an off-campus athletic training program that students in grades 9-12 may enroll in as an option to earn physical education credit. Approved programs include but are not limited to: Archery, Dance, Equestrian, Fencing, Gymnastics, Ice Hockey/Dance, Lacrosse, Martial Arts, and Rock Climbing. Students may apply at each grading period for either a Level I course which requires a minimum of 15 hours (five days) of participation or Level II course requiring a minimum of 5 hours (three days) of participation per week. Please note 80% of student's participation time must occur during the school week. Competition and travel to/from the activity do not count towards participation hours. Student may only enroll at one of the Approved Facilities as established by the LISD Board of Trustees. **A non-refundable fee is required for enrollment.**

**Applications, Approved Facilities List, FAQ's can be found at [www.lisd.net](http://www.lisd.net) under Physical Education.**

### PE SUBSTITUTIONS

**The following courses may be taken as a PE Substitution: Athletics; Cheerleading Drill Team (Fall Only); External PE; JROTC; and Marching Band (1st 9 weeks only). For information on Band, see Fine Arts section.**

<b>CHEERLEADING</b>	29121800 FRESHMAN CHEERLEADING (Grade: 9), 1 credit
	29304100 JR. VARSITY CHEERLEADING (Grade: 10-11), 1 credit
	29303800 VARSITY CHEERLEADING (Grade: 10-12), 1 credit
<b>DRILL TEAM</b>	29121400 Drill Team Fall Only (Grade 9-12), 1 credit
<b>DANCE II</b>	Prerequisite: Dance I (Fine Arts credit)
	*Students must complete Dance 1 for a Fine Arts credit. Students may choose to take Dance II as a Fine Arts credit to meet FHSP Fine Art & Humanities endorsement requirements. 29306100 Dance II (Grade 9-12), 1 credit

## PE COURSE DESCRIPTIONS

### FOUNDATIONS OF PERSONAL FITNESS

29301100  
Credits: .5  
Grade: 9-12

The purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. Students improve their fitness within the class and learn the process of becoming fit. The concept of wellness, striving to reach optimal levels of health, is the cornerstone of this course. Students may only earn credit for this specific TEKS-based course onetime.

### FOUNDATIONS OF PERSONAL FITNESS – VIRTUAL LEARNING 29301190(A)/29301290(B)

Credits: .5 - 1credit  
Grade: 9-12

The class is designed to enable students to acquire and maintain a moderate to high level of personal fitness. Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet face-to-face for collaboration, group work and personalized instruction. Students will evaluate their current level of personal fitness and design a program specific to their personal goals. Participating in a variety of activities, along with learning how nutrition plays an important role in achieving personal fitness will help students understand and reach their fitness goals.

### AEROBIC ACTIVITIES / RECREATIONAL DANCE

29301700  
Credits: .5  
Grade: 9-12

Aerobic activities students will be exposed to a variety of activities that promote health-related fitness. The student is expected to exhibit a level of competency in two or more aerobic activities that may include aerobic dance, jogging, power walking, recreational dance, or step aerobics. A major expectation will be to design a personal fitness program that uses aerobic activities that develop the ability to participate confidently. Students recovering from knee or ankle injuries should not be encouraged to sign up for this class. Students with heart, asthma, or breathing related problems must have a medical release.

### INDIVIDUAL SPORTS

29302200  
Credits: .5  
Grade: 9-12

Students will participate in a wide range of individual activities and sports that can be pursued for a lifetime. The student is expected to exhibit a level of competency in two or more individual sports or activities that develop the ability to participate confidently.

### TEAM SPORTS

29303200  
Credits: .5  
Grade: 9-12

Students enrolled in Team Sports are expected to develop health-related fitness and an appreciation for teamwork and fair play thus reinforcing the concept of incorporating physical activity into a lifestyle beyond high school.

### OUTDOOR EDUCATION

29309100  
Credits: .5  
Grade: 9-11

This course is designed to explore and develop skills in activities associated with camping, hiking, fishing, hunting, archery, and other outdoor adventures. Material and supply fees may be required. A student athlete may enroll in this course as an exception (UIL Side by Side #7) and not be in violation of UIL rules. Students may only earn credit for this specific TEKS-based course one time.

### PE PARTNERS

29308600  
Credits: .5-1.0  
Grade: 9-12  
Recommendation: Teacher Approval

This specially designed course is for students of all abilities. This inclusive approach to physical education couples students with special needs to their general education peers (PE partner). All students will strive to improve their fitness levels through encouragement, teamwork, and respect. The use of partners in the class enables modifications to the Personal Foundations of Fitness concepts and activities. This course may not be offered at all campuses.

## HEALTH EDUCATION (DO NOT COUNT AS PE CREDIT)

### HEALTH EDUCATION

29300000  
Credits: .5  
Grade: 9-12  
Recommendation: None

Health is designed to prepare students for a healthy, independent lifestyle, based on a wellness program of physical and mental health. They will develop an understanding of topics that include family, relationships, marriage and parenthood, life cycle, skin, skeletal, muscular, reproductive and excretory systems, endocrine, respiratory, nervous, cardiovascular, lymphatic systems, the effect of drugs on the health system, consumer rights, environmental factors, mental health, nutrition, and social issues. Parenting and Paternity Awareness (PAPA) is included.

### ADVANCED HEALTH EDUCATION

29300500  
Credits: .5  
Grade: 9-12  
Recommendation: Health Education

This course provides the student with the opportunity to develop knowledge for becoming an intelligent consumer. It is designed to aid students in gaining an understanding of their mental and social growth.

## JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC)

The Junior Reserve Officers' Training Corps (JROTC) is a four-year program for high school students.

**Studies in JROTC are divided into two categories: academics and military leadership. Academic studies include four years of studies in the histories and sciences, including Geography, Government, Health, and Study Techniques. Studies in military leadership include Military Customs and Courtesies; Cadet Corps Activities; Study Habits; Time Management; Communications Skills; Leadership and Management Studies; and The Rights, Responsibilities, and Privileges as American Citizens. Additionally, extracurricular after-school activities provide the proving ground for newly learned leadership skills. Activities such as drill team, color guard, physical fitness, marksmanship, academic competitions, and the formal cadet corps' operation all require officers with considerable responsibilities.**

**Please see your specific campus JROTC listing for the courses offered.**

The JROTC program is based on the military service associated with the military unit at the respective school. It is not designed to recruit students for the military. Its mission is to promote good citizenship and public service. This is accomplished by using the cadet corps for motivational training and as a leadership laboratory. However, for those considering a military career, these courses will give them a sample of the customs and traditions of our military services. Successfully completing a JROTC program also affords students the chance to enter the military at higher ranks than non-JROTC students.

**One credit of JROTC may be substituted for one required credit of Physical Education. Uniforms and equipment are provided for the cadets at no expense by the respective military units at each campus.**

### NAVY JROTC (NAVAL SCIENCE)

HEBRON HIGH SCHOOL  
LEWISVILLE HIGH SCHOOL



#### NAVAL SCIENCE I (NS-1)

79500200

Credits: 1

Grade: 9-12

Recommendation: Instructor approval may be required

This course introduces students to the meaning of citizenship and to the NJROTC program and fundamental elements of leadership. Key topics covered are: value of scholarship in attaining life goals, awareness of the importance of a healthy lifestyle through physical fitness, a proper diet, controlling stress, introduction to the U.S. Navy, self-discipline training through close order drill instruction, military rank and authority structure. These elements are pursued at the fundamental level.

#### NAVAL SCIENCE I, LEADERSHIP I

79500600

Credits: 1 (Local)

Grade: 9-12

Recommendation: Naval Science instructor approval may be required

This course is a continuation of Naval Science 1. This course includes continued leadership development through leadership instruction and role playing. Key topics covered are: Citizenship and the American Government, Introduction to Geography, Orienteering, Close Order Drill, Parades and Ceremonies, Survival and Map Reading Skills, Personal Financial Management Skills, Drug Awareness, Principles of Health and First Aid, Survival Skills and an Overview of the U.S. Navy's Structure.

#### NAVAL SCIENCE II (NS-2)

79501000

Credits: 1

Grade: 10-12

Recommendation: Naval Science I; Instructor approval may be required

This course builds on the general introduction provided in NS-1. It further develops the instruction of traits of citizenship and leadership, and it introduces cadets to the technical areas of Naval Science and the role of the U.S. Navy in Maritime History. It also instructs on the vital importance of the world's oceans to the continued well-being of the United States.

#### NAVAL SCIENCE II, LEADERSHIP II

79501100

Credits: 1 (Local)

Grade: 10-12

Recommendation: Naval Science I & II; Instructor approval may be required

This course is a continuation of Naval Science II with emphasis on Leadership. Introduction to Maritime History, including the American Revolution, Civil War, the rise of the U.S. to world power status, World Wars I and II, the Cold War Era and the 1990's and Beyond; introduction to Nautical Sciences to include Maritime Geography, Oceanography, Meteorology, Astronomy, and Physical Sciences.

### NAVAL SCIENCE III (NS-3)

79502000

Credits: 1

Grade: 11-12

Recommendation: Naval Science I & II; Instructor approval may be required

This course builds on the objectives and concepts of NS-1 and NS-2. This course broadens the understanding of students in the operative principles of military leadership, the concept and significance of teamwork, the intrinsic value of good order and discipline in the accomplishment of objectives, and the importance of Sea Power and National Security. Students gain a more in-depth knowledge of Naval ships and aircraft and an introduction to Marine navigation and seamanship.

### NAVAL SCIENCE III, LEADERSHIP III

79501200

Credits: 1 (Local)

Grade: 11-12

Recommendation: Naval Science I; Instructor approval may be required

This course is a continuation of Naval Science III with emphasis in leadership and on-going instruction in leadership, citizenship and discipline. Course content includes instruction in Sea Power and National Security, Naval Operations and Support Functions, Military Law, and International Law and the Sea. Course provides introduction to Ship Construction and Damage Control, Shipboard Organization and Watch Standing, Basic Seamanship, Marine Navigation, and Naval Weapons and Aircraft.

### NAVAL SCIENCE IV (NS-4)

79503000

Credits: 1

Grade: 12

Recommendation: Naval Science I, II & III; Instructor approval may be required

This course is primarily focused on practical leadership techniques and implementation. The intent is to assist seniors in understanding leadership and improving their leadership skills by putting them in positions of leadership under supervision, then helping them analyze the reasons for their varying degrees of success throughout the year. Classroom activities include seminars, reading assignments, classroom presentations, and practical work with younger cadets.

### NAVAL SCIENCE IV, LEADERSHIP IV

79503100

Credits: 1

Grade: 12

Recommendation: Naval Science I, II & III; Instructor approval may be required

This course is a continuation of Naval Science IV. Key topics are; instruction in theoretical and applied aspects of leadership training, and organizational leadership responsibilities. Students will become aware of the techniques used to create motivation, develop goals and activities for a work group, and the proper ways to set organizational goals that contribute to a positive and effective organizational culture. Students are provided access to ACT/SAT prep course, guidance in selecting a college and pursuing available scholarships, and mentoring in establishing long range life goals.

## AIR FORCE JROTC

FLOWER MOUND HIGH SCHOOL  
MARCUS HIGH SCHOOL



The Air Force Junior ROTC (AFJROTC) program, is a four-year program with the initial course open to all high school students meeting certain entry requirements. Entry by students into subsequent AFJROTC courses must be approved by the Senior Aerospace Science Instructor (SASI) and is based on compliance with AFJROTC directives specified in each unit's Cadet Guide. **One unit of Aerospace Science (AFJROTC) may be substituted for the physical education unit required for graduation.** Each course is divided into three categories: Aerospace Science, Leadership and Wellness (Physical Training). Aerospace Science studies include aerospace history, cultural studies, science of flight, exploring space and survival. Leadership studies include Air Force customs and courtesies, drill and ceremonies, cadet corps activities, study habits, time management, communications skills, and leadership and management studies. The Cadet Health and Wellness Program (Physical Training) includes physical activities and assessments patterned after the Presidential Physical Fitness Award as well as team competitions. Students are not required to complete all eight courses to receive academic credit. All uniforms and textbooks are supplied at no expense to the student. **Air Force Junior ROTC regulations require that the USAF cadet uniform and the Physical Training (PT) uniform be worn at least one day a week each as specified by the SASI.** Special dress and grooming standards as specified by AFJROTC must be met on uniform wear day and any other day cadets are in the uniform (parades, Color Guard presentations, etc.) There may be minor program differences between the two AFJROTC programs within Lewisville Independent School District due to cadet population, physical layout of the facilities, instructor manning, and scheduling methodologies. However grooming standards, uniform requirements, cadet expectations, and procedures for eliminating students who are unwilling to comply with standards are consistent throughout the district and are specified in detail in each unit's Cadet Guide and in Air Force and AFJROTC directives.

AFJROTC courses at Flower Mound High School and Marcus High School consist of cadets ranging from grades 9 through 12. This is designed to allow cadets with varying levels of previous enrollment in AFJROTC courses the opportunity to practice their leadership skills in the development of skills in cadets with less time enrolled in AFJROTC. A cadet's specific level will be assigned based on previous semesters of AFJROTC courses completed. For example, a cadet enrolled in AFJROTC for their 1<sup>st</sup> semester will be enrolled in the Aerospace Science I (AS-1) course, the next semester AS-2 and so on. Classes may include cadets enrolled in Aerospace Science 1 through 8 (AS-1 to AS-8). With each successive AS-level, cadets are expected to assume increased leadership roles and responsibilities.



79510100 AEROSPACE SCIENCE I (AS-1), 1 credit  
 79510500 AEROSPACE SCIENCE II (AS-2), 1 credit  
 79511000 AEROSPACE SCIENCE III (AS-3), 1 credit  
 79511500 AEROSPACE SCIENCE IV (AS-4), 1 credit

79512000 AEROSPACE SCIENCE V (AS-5), 1 credit (local)  
 79512500 AEROSPACE SCIENCE VI (AS-6), 1 credit (local)  
 79513000 AEROSPACE SCIENCE VII (AS-7), 1 credit (local)  
 79513500 AEROSPACE SCIENCE VIII (AS-8), 1 credit (local)



## FLOWER MOUND HIGH SCHOOL: AIR FORCE JROTC (AEROSPACE SCIENCE)

### FALL 2018 SEMESTER

This 18-week semester-long course focuses on *The Science of Flight: A Gateway to New Horizons and Communication, Awareness, and Leadership*. *The Science of Flight* course acquaints students with the aerospace environment, human requirements of flight, and principles of aircraft flight. *Communication, Awareness, and Leadership* examines learning, communication, personal development, and building personal awareness. Cadets participate in weekly wellness activities and assessments. Note: fourth year cadets will take AS-7 – see narrative at end of AFJROTC section.

### SPRING 2019 SEMESTER

This 18-week semester-long course is part two of *The Science of Flight: A Gateway to New Horizons and Communication, Awareness, and Leadership*. Part one of this course is not a pre-requisite. *The Science of Flight* course acquaints students with the aerospace environment, human requirements of flight, and principles of aircraft flight. *Communication, Awareness, and Leadership* examines learning, communication, personal development, and building personal awareness. Cadets participate in weekly wellness activities and assessments. Note: fourth year cadets will take AS-8 – see narrative at end of AFJROTC section.

### FALL 2019 SEMESTER

This 18-week semester-long course focuses on *Exploring Space and Life Skills and Career Opportunities*. Exploring space focuses on the space environment, space exploration, manned and unmanned spaceflight and space technology. *Life Skills and Career Opportunities* emphasize how to apply for college/vocational/technical school, interview skills and financial planning and budgeting. Cadets participate in weekly wellness activities and assessments. Note: fourth year cadets will take AS-7 – see narrative at end of AFJROTC section.

### SPRING 2020 SEMESTER

This 18-week semester-long course is part two of *Exploring Space and Life Skills and Career Opportunities*. Part one of this course is not a pre-requisite. *Exploring Space* focuses on the space environment, space exploration, manned and unmanned spaceflight and space technology. *Life Skills and Career Opportunities* emphasize how to apply for college/vocational/technical school, interview skills and financial planning and budgeting. Cadets participate in weekly wellness activities and assessments. Note: fourth year cadets will take AS-8 – see narrative at end of AFJROTC section.

### FALL 2020 SEMESTER

This 18-week semester-long course focuses on *A Journey Into Aviation History and Traditions, Wellness, and Foundations of Citizenship*. *Aviation History* is designed to acquaint the student with the historical development of flight. *Traditions, Wellness, and Foundations of Citizenship* examines individual self-control, wellness and fitness, and citizenship in the United States. Cadets participate in weekly wellness activities and assessments. Note: fourth year cadets will take AS-7 – see narrative at end of AFJROTC section.

### SPRING 2021 SEMESTER

This 18-week semester-long course is part two of *A Journey Into Aviation History and Traditions, Wellness, and Foundations of Citizenship*. Part one of this course is not a pre-requisite. *Aviation History* is designed to acquaint the student with the historical development of flight. *Traditions, Wellness, and Foundations of Citizenship* examines individual self-control, wellness and fitness, and citizenship in the United States. Cadets participate in weekly wellness activities and assessments. Note: fourth year cadets will take AS-8 – see narrative at end of AFJROTC section.

### FALL 2021 SEMESTER

This 18-week semester-long course focuses on *The Science of Flight: A Gateway to New Horizons and Communication, Awareness, and Leadership*. *The Science of Flight* course acquaints students with the aerospace environment, human requirements of flight, and principles of aircraft flight. *Communication, Awareness, and Leadership* examines learning, communication, personal development, and building personal awareness. Cadets participate in weekly wellness activities and assessments. Note: fourth year cadets will take AS-7 – see narrative at end of AFJROTC section.

### SPRING 2022 SEMESTER

This 18-week semester-long course is part two of *The Science of Flight: A Gateway to New Horizons and Communication, Awareness, and Leadership*. Part one of this course is not a pre-requisite. *The Science of Flight* course acquaints students with the aerospace environment, human requirements of flight, and principles of aircraft flight. *Communication, Awareness, and Leadership* examines learning, communication, personal development, and building personal awareness. Cadets participate in weekly wellness activities and assessments. Note: fourth year cadets will take AS-8 – see narrative at end of AFJROTC section.

**Note: Fourth year cadets will take AS-7, followed by AS-8, which is a continuation of AS-7 for the second semester.**

Each 18-week semester-long course is a hands-on management/leadership experience that affords cadets the opportunity to put theories of previous leadership education courses into practice. The text includes ethical dilemmas, case studies, and role play activities built into the lessons. Cadets in this course will manage the cadet corps through communication, decision-making, personal-interaction, managerial, and organizational skills in planning events, projects and organizing the day-to-day running of the corps focuses the fundamentals of management.

79510100 AEROSPACE SCIENCE I (AS-1), 1 credit  
79510500 AEROSPACE SCIENCE II (AS-2), 1 credit  
79511000 AEROSPACE SCIENCE III (AS-3), 1 credit  
79511500 AEROSPACE SCIENCE IV (AS-4), 1 credit

79512000 AEROSPACE SCIENCE V (AS-5), 1 credit (local)  
79512500 AEROSPACE SCIENCE VI (AS-6), 1 credit (local)  
79513000 AEROSPACE SCIENCE VII (AS-7), 1 credit (local)  
79513500 AEROSPACE SCIENCE VIII (AS-8), 1 credit (local)



## MARCUS HIGH SCHOOL: AIR FORCE JROTC (AEROSPACE SCIENCE)

All course grades: 9-12

Recommendation: Instructor Approval

### FALL 2018 SEMESTER

This 18-week semester-long course focuses on A Journey Into Aviation History and Communication, Awareness, and Leadership. Aviation History is designed to acquaint the student with the historical development of flight. Communication, Awareness and Leadership examines learning, communication and personal development, and building personal awareness. Cadets participate in weekly wellness activities and assessments.

### SPRING 2019 SEMESTER

This 18-week semester-long course focuses on The Science of Flight: A Gateway to New Horizons and is part two of Communication, Awareness, and Leadership. Part one of this course is not a pre-requisite. The Science of Flight course acquaints students with the aerospace environment, human requirements of flight, and principles of aircraft flight. Communication, Awareness and Leadership focuses on the understanding of groups and teams, and preparation for leadership. Cadets participate in weekly wellness activities and assessments.

### FALL 2019 SEMESTER

This 18-week semester-long course focuses on Cultural Studies and Life Skills and Career Opportunities. Students will learn to see their world through many different perspectives. This course introduces students to the study of world affairs, regional studies, and cultural awareness. Students will learn to explore and discover the processes that shape the Earth, the relationships between people and environments, and the links between people and places. Life Skills and Career Opportunities emphasizes how to apply for college/vocational/technical school, interview skills and financial planning and budgeting. Cadets participate in weekly wellness activities and assessments.

### SPRING 2020 SEMESTER

This 18-week semester-long course is part two of Cultural Studies and Life Skills and Career Opportunities. Part one of this course is not a pre-requisite. Students will learn to see their world through many different perspectives. This course introduces students to the study of world affairs, regional studies, and cultural awareness. Students will learn to explore and discover the processes that shape the Earth, the relationships between people and environments, and the links between people and places. Life Skills and Career Opportunities emphasizes how to apply for college/vocational/technical school, interview skills and financial planning and budgeting. Cadets participate in weekly wellness activities and assessments.

### FALL 2020 SEMESTER

This 18-week semester-long course focuses on Exploring Space and Principles of Management. Exploring space focuses on the space environment, space exploration, manned and unmanned spaceflight and space technology. Principles of Management emphasizes decision-making, personal-interaction, managerial, and organizational skills. Cadets participate in weekly wellness activities and assessments.

### SPRING 2021 SEMESTER

This 18-week semester-long course is part two of Exploring Space and Principles of Management. Part one of this course is not a pre-requisite. Exploring space focuses on the space environment, space exploration, manned and unmanned spaceflight and space technology. Principles of Management emphasizes decision-making, personal-interaction, managerial, and organizational skills. Cadets participate in weekly wellness activities and assessments.

### FALL 2021 SEMESTER

This 18-week semester-long course focuses on Survival: Survive and Return and Citizenship, Character, and Air Force Tradition. Survival emphasizes the elements of surviving, personal protection, necessities to maintain life, and orientation and traveling. Air Force Tradition examines individual self-control, wellness and fitness, and citizenship in the United States. Cadets participate in weekly wellness activities and assessments.

### SPRING 2022 SEMESTER

This 18-week semester-long course is part two of Survival: Survive and Return and Citizenship, Character, and Air Force Tradition. Part one of this course is not a pre-requisite. Survival emphasizes the elements of surviving, personal protection, necessities to maintain life, and orientation and traveling. Citizenship, Character, and Air Force Tradition examines individual self-control, wellness and fitness, and citizenship in the United States. Cadets participate in weekly wellness activities and assessments.



## ARMY JROTC THE COLONY HIGH SCHOOL



### **MILITARY SCIENCE I (LET-1) FALL**

**79500100**

Credits: 1

Grade: 9-12

Recommendation: Instructor approval may be required

This social science course is designed to introduce students to the Army JROTC program, its mission, and its curriculum. The course of study begins with instructions covering the spirit of American citizenship, with an emphasis on military customs and courtesies, communication, drill and ceremony, and leadership skills. Students will learn basic first aid skills, drug abuse prevention programs, cultural awareness, appreciating diversity through winning colors, American military history, map reading, and career opportunities. Consumer education, an introduction to budget preparation, study habits, time management, uniform wear and appearance, making a difference with service learning, and human relations will be taught and students are required to write essays and give presentations that demonstrate what they have learned. Armed drill procedures and the cadet challenge will also be presented. The Junior ROTC curriculum is enhanced through physical fitness activities, extracurricular and co-curricular activities that support the core competency skills and academic standards.

### **MILITARY SCIENCE I (LET-1) SPRING**

**79503500**

Credits: 1 (Local)

Grade: 9-12

Recommendation: Instructor approval may be required

This social science course is designed to further enhance and build on the leadership foundational principles and experiences developed during Army JROTC Fall LET-1 Term. Personal growth-plan, becoming an active learner, brain structure and function, learning style and processing preferences, and multiple intelligences are taught and demonstrated through practical exercises. Physical fitness activities are conducted weekly to support the total wellness objectives of the curriculum and goals of JROTC. Leadership opportunities and decision-making processes are explored based upon prior taught lessons and experiences. Etiquette is taught and enforced during the required Military Ball conducted during this term. Towards the end of the term, LET-1 cadets are notified of leadership positions they are selected for that are currently assigned to the LET-2 cadets and perform as understudy to the advancing LET-2 cadets.

### **MILITARY SCIENCE II (LET-2) FALL**

**79520500**

Credits: 1

Grade: 10-12

Recommendation: LET I; Instructor approval may be required

This social science course is designed to further develop leadership skills, review and build on communication skills and basic oral presentation techniques. Cadets will review leadership traits, principles, and styles from the LET-1 curriculum. Cadets will also focus on learning the characteristics of assuming the role of leadership positions, with an emphasis on squad and platoon level positions. Identification and application of the values of leadership, management skills, acceptance of challenge, making a difference with service learning, and life-saving and first aid skills will be taught. The course is further complemented through studies of the American culture, American military policy, the Korean and Vietnam conflicts, and the freedoms guaranteed by the Bill of Rights. Armed drill procedures and the cadet challenge will also be presented. The Junior ROTC curriculum is enhanced through physical fitness activities, extracurricular and co-curricular activities that support the core competency skills and academic standards.

### **MILITARY SCIENCE II (LET-2) SPRING**

**79503600**

Credits: 1 (Local)

Grade: 10-12

Recommendation: LET I; Instructor approval may be required

This social science course is designed to further enhance the leadership foundational principles and communications skills developed during Army JROTC Fall LET-2 Term. Small group meetings, State Constitutions, roles of citizens, new citizenship and constitutional issues, and constitutionalism and other countries are taught and demonstrated through practical exercises. Physical fitness activities are conducted weekly to support the total wellness objectives of the curriculum and goals of JROTC. Leadership opportunities and decision-making processes are explored based upon prior taught lessons and experiences. Etiquette is taught and enforced during the required Military Ball conducted during this term. Towards the end of the term, LET-2 cadets are notified of leadership positions they are selected for that are currently assigned to LET-3 and LET-4 cadets and perform as understudy to the advancing LET-3 and LET-4 cadets.

### **MILITARY SCIENCE III (LET-3) FALL**

**79521000**

Credits: 1

Grade: 11-12

Recommendation: LET I & II; Instructor approval may be required

This social science course is designed to build on the leadership experiences developed during Army JROTC LET-1 and LET-2 courses. Basic command and staff principles are introduced to provide an overview of organizational roles and responsibilities. Leadership strategies, including taking charge and leading others, celebrating cultural and individual diversity, managing conflict, planning and communications skills are evaluated to improve organizational effectiveness. Foundations for success are taught and cadets are required to write essays and give presentations that demonstrate what they have learned. The Junior ROTC curriculum is enhanced through physical fitness activities, extracurricular and co-curricular activities that support the core competency skills and academic standards.

### **MILITARY SCIENCE III (LET-3) SPRING**

**79503700**

Credits: 1 (Local)

Grade: 11-12

Recommendation: LET I & II; Instructor approval may be required

This social science course is designed to continue to build on the leadership experiences developed during Army JROTC Fall LET-3 term. Career exploration and planning, including financial and college preparation, goal setting and time management are taught and demonstrated through practical exercises. Leadership opportunities are explored and ethical choices, decisions and consequences using historical examples are studied. Weekly physical fitness activities are conducted to support total wellness objectives of the curriculum and goals of JROTC. Etiquette is taught and enforced during the required Military Ball conducted in this term. LET-3 cadets are notified of leadership positions they are selected for during their LET-4 year toward the end of the term and perform as understudy to the departing LET-4 cadets in corresponding positions.

### **MILITARY SCIENCE IV (LET-4) FALL**

**79521500**

Credits: 1

Grade: 12

Recommendation: LET, I-III; Instructor approval may be required

This social science course provides an introductory overview of the organizational and leadership structure in the Department of Defense and the Department of the Army. It provides instruction on leadership styles and practical time to experience leadership theories and the basic principles of management. As leaders of the JROTC program, cadets are coached and mentored to perform their duties and exhibit requisite leadership of the underclass cadets. The LET-4 cadets lead the selection, planning, training and conduct of the Service Learning Project of the JROTC program for the school year. The Junior ROTC curriculum is enhanced through physical fitness activities, extracurricular and co-curricular activities that support the core employability skills standards and academic standards.

### **MILITARY SCIENCE IV (LET-4) SPRING**

**79503800**

Credits: 1

Grade: 12

Recommendation: LET, I-III; Instructor approval may be required

This social science course culminates the study of leadership for life-long success and learning. Through self-assessment, students determine their skill sets and develop lesson plans for and conduct peer teaching. In preparation for life beyond high school, instruction emphasizes taking responsibility for each one's actions and choices by applying critical thinking, communicating effectively, and emphasis upon building each one's capacity for life-long learning. Importance is placed on doing each one's share as a good citizen within community, the country and the world. Class time is used to prepare for transition to college, employment, and/or military service. Instruction includes interviewing skills, financial management, and personal responsibility as productive adults. LET-4 cadets lead the preparation and conduct of the Military Ball, the end-of-year Awards and Change-of-Command Ceremonies.

# FINE ARTS

The Fine Arts Departments in Lewisville ISD include:  
Art, Band, Choir, Dance & Drill Team, Orchestra and Theatre Arts.

## ART COURSE DESCRIPTIONS

### ART 1

59110000  
Credits: 1  
Grade: 9-12  
Prerequisite: NONE

**This is the foundation for all other art courses.** No prior drawing skills are necessary. The elements and the principles of design are emphasized through a variety of projects and problems in both two-dimensional and three-dimensional design, drawing, painting, and printmaking. The course includes a survey of historical and cultural developments in art. Students develop skills in observing, problem-solving, manipulating art media, and evaluating art works. Preparation of a portfolio is required. One full credit (18 weeks) must be earned in Art I for entry into a Level II or higher art course.

### ART 1 – VIRTUAL LEARNING

59110090(A)/59110190(B)  
Credits: 1  
Grade: 9-12  
Prerequisite: NONE

This is the foundation for all other art courses. No prior drawing skills are necessary. Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet face-to-face for collaboration, group work and personalized instruction. The elements and the principles of design are emphasized through a variety of projects and problems in both two-dimensional and three-dimensional design, drawing, painting, and printmaking. The course includes a survey of historical and cultural developments in art. Students develop skills in observing, problem-solving, manipulating art media, and evaluating art works. Preparation of a portfolio is required. One full credit (18 weeks) must be earned in Art I for entry into a Level II or higher art course.

### ART 2 DRAWING

### ART 3 DRAWING

### ART 4 DRAWING

59110500  
59112500  
59114000  
Credits: 1 each  
Grade: 9-12  
Prerequisite: Art 1

These courses are an in-depth study of drawing. Students will build on drawing skills learned in Art 1 to develop a personal style and demonstrate effective use of selected drawing media in solving visual problems and assignments. The study of artists and their artworks, art in other cultures and strategies for evaluating artworks are integral to these courses. Fees will be assessed. \*One full credit (18 weeks) must be earned in the previous level for entry into the next higher-level art drawing course.

### ART 2 PHOTOGRAPHY

59112100  
Credits: 1  
Grade: 9-12  
Prerequisite: Art 1

This is a basic course in color and b/w digital photography. The elements and principles of design are emphasized through a variety of weekly assignments while developing the photographic eye. Students will develop skills in observation, composition, problem solving and photo editing. This course also includes historical developments in photography, in addition to, iconic photos throughout the years. Students should have a digital camera. Fees will be assessed.

### ART 2 PRINTMAKING

59111100  
Credits: 1  
Grade: 9-12  
Prerequisite: Art 1

This course provides students an opportunity to study printmaking techniques. Design and composition will be explored through the use of various printmaking media such as screen-printing, etching, relief printing, and calligraphy. Students will learn to evaluate their own work by studying artists and art works throughout history. A portfolio is required. Fees will be assessed.

### ART 2 PAINTING

### ART 3 PAINTING

### ART 4 PAINTING

59111000  
59113000  
59114500  
Credits: 1 each  
Grade: 9-12  
Prerequisite: Art 1

These courses provide students an opportunity to further develop their drawing and painting skills. Design and composition are emphasized through a variety of painting media, techniques, and themes, both representational and nonrepresentational. Students will learn to evaluate their own work by studying artists and artworks throughout history. Preparation of an online portfolio is required. Fees will be assessed. \*One full credit (18 weeks) must be earned in the previous level for entry into the next higher-level painting course.

### ART 2 SCULPTURE

### ART 3 SCULPTURE

### ART 4 SCULPTURE

59111500  
59113100  
59115200

These courses will introduce students to the fundamental issues in sculpture such as material, context, form, scale, structure, and space. Sculptural processes of additive and subtractive construction will be used to explore various sculptural methods during the course of the class. Emphasis will be on students executing, understanding and discussing quality craftsmanship, successful composition, productive conceptualization and creative problem solving. Introduction to basic tools, processes and safety practices will be employed in the creation of sculptural ideas. Preparation of a digital portfolio of the students work is required. Fees will be assessed.

Credits: 1 each  
Grade: 9-12  
Prerequisite: Art 1\*

\*One full credit (18 weeks) must be earned in the previous level for entry into the next higher-level sculpture course.

### ART 2 CERAMICS ART 3 CERAMICS ART 4 CERAMICS

59112000  
59113500  
59115000

Credits: 1 each  
Grade: 9-12 (Art 4 is grades 11-12)  
Prerequisite: Art 1

These courses prepare students for an in-depth study of three-dimensional designs in clay. Functional and nonfunctional sculptural techniques will be studied. Students will develop a personal style of expression through their work in clay including: hand-building, throwing on the potter's wheel, glazing, and alternative firing processes. A study of artists and their work provides a basis for students to learn how to evaluate work and apply that knowledge to their own work. A portfolio is required each semester culminating in the submission of the AP 3D portfolio, showcasing a sample of the student's best work. Fees will be assessed. \*One full credit (18 weeks) must be earned in the previous level for entry into the next higher-level ceramics course.

### PRINCIPLES & ELEMENTS OF FLORAL DESIGN

79731200

Credits: 1  
Grade: 9-12  
Recommendation: Principles of Agriculture, Food & Natural Resources

Principles and Elements of Floral Design is a technical course that prepares students to design and arrange floral materials, tropical and blooming plants for special occasions, and for use and placement in interior locations. Topics of instruction include identification and classification of fresh-cut floral materials; fresh flower and foliage care and handling; design principles, elements, and mechanics; and the construction of basic and contemporary geometric designs, boutonnieres, and corsages using fresh-cut, dried, and/or permanent floral materials. Also included is related information on tropical foliage and blooming plant identification, interior landscape design, cultural requirements and tasks for maintaining healthy interior plants, and safe work practices. This course prepares students for a career in the floral industry and emphasizes certification from the Texas State Florist Association. (Lab Fees Required). This course will satisfy the Fine Art requirement for all graduation plans.

## ADVANCED PLACEMENT ART COURSES

The following Advanced Placement art courses may be taken at Level III or Level IV. The art Advanced Placement Portfolio courses enable highly motivated students to do college-level work in art while still in high school. The courses involve significantly more time and commitment than most high school art courses and are intended for students seriously committed to studying art. The evaluation for college credit of students enrolled in art AP courses is not based on a written examination. A portfolio is submitted for review by professional artists and teachers. **Students are responsible for the examination fee and the cost of preparing slides and artwork included in the portfolio. Information on fee reductions and exam subsidies, based on financial need, are available through the high school testing coordinator.**

### ART HISTORY AP

59117002

Credits: 1  
Grade: 10-12  
GPA Level: 3  
Prerequisite: NONE

Students learn that art history is an integral part of world cultures. Students learn how to look at art, examine the concepts of creativity, originality, self-expression, imagination, style, and artistic tastes. This class provides an understanding of artistic vision, and enables the student to explore what it means to be human. Students identify elements and design principles and apply them to the studies of ancient and modern civilizations. Preparation, with an emphasis on writing skills for the College Board examination, is integrated throughout the course for the AP candidates.

### 3D DESIGN PORTFOLIO AP (CERAMICS/SCULPTURE)

59116002

Credits: 1  
Grade: 11-12  
GPA Level: 3  
Prerequisite: Art 2/3 Ceramics or Art 2/3 Sculpture, Teacher approval

The Three-Dimensional Design Portfolio course is intended to address a very broad interpretation of sculptural issues in depth and space. Such elements and concepts can be articulated through additive and subtractive fabrication processes. A variety of approaches might include jewelry, traditional sculpture, architectural models, apparel, ceramics, fiber arts, and metal work. The portfolio is submitted as 35-mm slides of selected pieces that represent the student's best works and includes a written statement defining the student's focus of concentration. **Students will pay for slides and the portfolio fees.**

### 2D DESIGN PORTFOLIO AP (DRAWING/PAINTING/ PHOTOGRAPHY)

59115502

Credits: 1  
Grade: 11-12  
GPA Level: 3  
Prerequisite: Art 2/3 Drawing/

This Two-Dimensional Design Advanced Placement portfolio is intended to address a very broad interpretation of two-dimensional design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrated way. For this portfolio, students are asked to **demonstrate proficiency in two-dimensional design using a variety of art forms. These could include**, but are not limited to, graphic design, digital imaging, photography, collage, fabric design, illustration, painting, and printmaking. The portfolio is submitted as both original pieces and as 35-mm slides of selected pieces that represent the student's best works and includes a

Painting/Photography, Teacher approval

written statement defining the student's focus of concentration. **Students will pay for slides and the portfolio fees.**

## BAND COURSE DESCRIPTIONS

Fees for supplies, tools and optional trip opportunities may apply. Financial assistance may be available on a limited basis to those who qualify in accordance with program guidelines.

### FALL

**59380000 BAND I, VARSITY, 1 CREDIT**  
**59380500 BAND II, VARSITY, 1 CREDIT**  
**59381000 BAND III, VARSITY, 1 CREDIT**  
**59381500 BAND IV, VARSITY, 1 CREDIT**

### SPRING

**59382000 BAND I, VARSITY, 1 CREDIT**  
**59382500 BAND II, VARSITY, 1 CREDIT**  
**59383000 BAND III, VARSITY, 1 CREDIT**  
**59383500 BAND IV, VARSITY, 1 CREDIT**

Grade: 9-12

Recommendation: Placement by audition

The varsity band is a basic training organization. The primary function is to develop Instrumental techniques, musical skills and confidence in performing in a classroom situation. Graded performances and rehearsals outside of the school day are an expectation for this course.

### FALL

**59384000 BAND I, CONCERT, 1 CREDIT**  
**59384500 BAND II, CONCERT, 1 CREDIT**  
**59385000 BAND III, CONCERT, 1 CREDIT**  
**59385500 BAND IV, CONCERT, 1 CREDIT**

### SPRING

**59386000 BAND I, CONCERT, 1 CREDIT**  
**59386500 BAND II, CONCERT, 1 CREDIT**  
**59387000 BAND III, CONCERT, 1 CREDIT**  
**59387500 BAND IV, CONCERT, 1 CREDIT**

Grade: 9-12

Recommendation: Middle School Band or equivalent OR by exam and by audition

The concert band performs in several local concerts and at all UIL activities. The concert band comprises one part of the marching unit; however, it rehearses as a separate unit throughout the year. Graded performances and rehearsals outside of the school day are an expectation for this course.

### FALL

**59388000 BAND I, SYMPHONIC, 1 CREDIT**  
**59388500 BAND II, SYMPHONIC, 1 CREDIT**  
**59389000 BAND III, SYMPHONIC, 1 CREDIT**  
**59389500 BAND IV, SYMPHONIC, 1 CREDIT**

### SPRING

**59390000 BAND I, SYMPHONIC, 1 CREDIT**  
**59390500 BAND II, SYMPHONIC, 1 CREDIT**  
**59391000 BAND III, SYMPHONIC, 1 CREDIT**  
**59391500 BAND IV, SYMPHONIC, 1 CREDIT**

Grade: 9-12

Recommendation: Exam, Audition

The symphonic band performs concerts and at UIL and TMEA activities. This band comprises one part of the marching band; however, it rehearses as a separate unit throughout the year.

### FALL

**59392000 BAND I, WIND SYMPHONY, 1 CREDIT**  
**59392500 BAND II, WIND SYMPHONY, 1 CREDIT**  
**59393000 BAND III, WIND SYMPHONY, 1 CREDIT**  
**59393500 BAND IV, WIND SYMPHONY, 1 CREDIT**

### SPRING

**59394000 BAND I, WIND SYMPHONY, 1 CREDIT**  
**59394500 BAND II, WIND SYMPHONY, 1 CREDIT**  
**59395000 BAND III, WIND SYMPHONY, 1 CREDIT**  
**59395500 BAND IV, WIND SYMPHONY, 1 CREDIT**

Grade: 9-12

Recommendation: Exam Audition

This band performs in concerts and at UIL and TMEA activities. This band comprises one part of the marching band; however, it rehearses as a separate unit throughout the year. This group performs music on the most advanced high school level. Graded performances and rehearsals outside of the school day are an expectation for this course.

**59396000 BAND I, PERCUSSION, 1 CREDIT**  
**59396500 BAND II, PERCUSSION, 1 CREDIT**  
**59397000 BAND III, PERCUSSION, 1 CREDIT**  
**59397500 BAND IV, PERCUSSION, 1 CREDIT**

Grade: 9-12 (Fall term)

Recommendation: Exam Audition

This group comprises one part of the marching band; however, it rehearses as a separate unit throughout the fall term. The group performs in several local concerts. Graded performances and rehearsals outside of the school day are an expectation for this course.



## CHOIR COURSE DESCRIPTIONS

Fees for supplies, tools and optional trip opportunities may apply. Financial assistance may be available on a limited basis to those who qualify in accordance with program guidelines.

### **59440000 MUSIC THEORY I, 1 CREDIT**

Grade: 9-12

Recommendation: None

Basic pitch and rhythmic notation, key and time signatures, musical clefs, signs, symbols, scales, intervals, choir structure, part writing and ear training will also be studied.

### **59440500 MUSIC THEORY II, 1 CREDIT**

Grade: 9-12

Recommendation: Music Theory I

This course reviews and refines the materials covered in Music Theory I and includes additional study of pitch and rhythmic notation, scale structure, intervals, chord structure and movement, simple part writing and ear training. Students will also study advanced chord structure including inversions, augmented, diminished, seventh chords and cadences. Simple melodic lines will be harmonized in four-part harmony. Ear training will be expanded to include simple dictation and sight singing. Form and analysis and original compositions will also be studied.

### **59441002 MUSIC THEORY – ADVANCED PLACEMENT, 1 CREDIT      GPA LEVEL: 3**

Grade: 11-12

Recommendation: Music Theory I or II OR Teacher Evaluation

This course is an advanced version of Music Theory I and II. It prepares students to take the Music Theory Advanced Placement test. Students enrolled in AP Music Theory must be able to read either treble, bass, or alto clef in order to enroll in the class. There is a fee for the test. Information on fee reductions and exam subsidies, based on financial need, are available through the high school testing coordinator.

#### FALL

**59410000 TENOR-BASS CHORUS I**

**59410500 TENOR-BASS CHORUS II**

**59411000 TENOR-BASS CHORUS III**

**59411500 TENOR-BASS CHORUS IV**

#### SPRING

**59412000 TENOR-BASS CHORUS I**

**59412500 TENOR-BASS CHORUS II**

**59413000 TENOR-BASS CHORUS III**

**59413500 TENOR-BASS CHORUS IV**

Grade: 9-12, 1 credit each

Recommendation: None

Students in this group study music fundamentals, sight singing, and vocal techniques. Some performance is involved. Graded performances and rehearsals outside of the school day are an expectation for this course.

#### FALL

**59414000 TREBLE CHORUS I**

**59414500 TREBLE CHORUS II**

**59415000 TREBLE CHORUS III**

**59415500 TREBLE CHORUS IV**

#### SPRING

**59416000 TREBLE CHORUS I**

**59416500 TREBLE CHORUS II**

**59417000 TREBLE CHORUS III**

**59417500 TREBLE CHORUS IV**

Grade: 9-12, 1 credit each

Recommendation: None

Students in this group study music fundamentals, sight singing, and vocal techniques. Some performance is involved. Graded performances and rehearsals outside of the school day are an expectation for this course.

#### FALL

**59418000 ADVANCED TREBLE CHORUS I**

**59418500 ADVANCED TREBLE CHORUS II**

**59419000 ADVANCED TREBLE CHORUS III**

**59419500 ADVANCED TREBLE CHORUS IV**

#### SPRING

**59420000 ADVANCED TREBLE CHORUS I**

**59420500 ADVANCED TREBLE CHORUS II**

**59421000 ADVANCED TREBLE CHORUS III**

**59421500 ADVANCED TREBLE CHORUS IV**

Grade: 9-12, 1 credit each

Recommendation: Audition

An expanded curriculum of music fundamentals, sight singing, and vocal techniques is offered at this level. Students are expected to participate in a higher percentage of performances at UIL and TMEA competitions. Graded performances and rehearsals outside of the school day are an expectation for this course.

**FALL**  
**59422000 MIXED CHORUS I**  
**59422500 MIXED CHORUS II**  
**59423000 MIXED CHORUS III**  
**59423500 MIXED CHORUS IV**

**SPRING**  
**59422000 MIXED CHORUS I**  
**59422500 MIXED CHORUS II**  
**59423000 MIXED CHORUS III**  
**59423500 MIXED CHORUS IV**

Grade: 9-12, 1 credit each  
Recommendation: Audition

An intermediate curriculum for the study of choral music, sight singing, and vocal technique is offered at this level. Performances at UIL and TMEA competitions are an expected part of this course. Graded performances and rehearsals outside of the school day are an expectation for this course.

**FALL**  
**59426000 VOCAL ENSEMBLE I**  
**59426500 VOCAL ENSEMBLE II**  
**59427000 VOCAL ENSEMBLE III**  
**59427500 VOCAL ENSEMBLE IV**

**SPRING**  
**59428000 VOCAL ENSEMBLE I**  
**59428500 VOCAL ENSEMBLE II**  
**59429000 VOCAL ENSEMBLE III**  
**59429500 VOCAL ENSEMBLE IV**

Grade: 9-12, 1 credit each  
Recommendation: Audition

Students are expected to have gained the highest degree of understanding and knowledge of music concepts, fundamentals, and techniques. Students will perform on a regular basis. Performances at UIL and TMEA competitions are an expected part of this course. Graded performances and rehearsals outside of the school day are an expectation for this course.

## **DANCE & DRILL TEAM COURSE DESCRIPTIONS**

### **DANCE I**

59306000

Credits: .5-1

Grade: 9-12

This course is designed to provide the student with the opportunity to experience various styles of dance. Curriculum will include the history and rules of dance, dance etiquette and dance terminology.

### **DANCE II**

59306100

Credits: .5-1

Grade: 9-12

Continuation of Dance I.  
\*Dance II can also count as PE credit after the completion of Dance I as a Fine Arts credit. Students wishing to complete the Fine Arts & Humanities endorsement should remain in Dance II under the Fine Arts course number. See PE section of CDG for Dance II PE Sub course number.

### **DANCE III**

59306200

Credits: .5-1

Grade: 9-12

Continuation of Dance II

**DANCE (DRILL TEAM) FALL**  
**DANCE I (DRILL TEAM) SPRING**  
**DANCE II (DRILL TEAM) SPRING**  
**DANCE III (DRILL TEAM) SPRING**  
**DANCE IV (DRILL TEAM) SPRING**

29121400

59305500

59305600

59305700

59305800

Credits: 1 credit each

Grade: 9-12

To take this course, students must be a part of the campus drill team.



## ORCHESTRA COURSE DESCRIPTIONS

<u>FALL</u>	<u>SPRING</u>
59430000 CONCERT ORCHESTRA I, 1 CREDIT	59432000 CONCERT ORCHESTRA I, 1 CREDIT
59430500 CONCERT ORCHESTRA II, 1 CREDIT	59432500 CONCERT ORCHESTRA II, 1 CREDIT
59431000 CONCERT ORCHESTRA III, 1 CREDIT	59433000 CONCERT ORCHESTRA III, 1 CREDIT
59431500 CONCERT ORCHESTRA IV, 1 CREDIT	59433500 CONCERT ORCHESTRA IV, 1 CREDIT

Grade: 9-12, 1 credit each

Recommendation: Audition

This orchestra performs concerts and participates in UIL and TMEA activities. Graded performances and rehearsals outside of the school day are an expectation for this course.

<u>FALL</u>	<u>SPRING</u>
59434000 SYMPHONIC ORCHESTRA I, 1 CREDIT	59434400 SYMPHONIC ORCHESTRA I, 1 CREDIT
59434100 SYMPHONIC ORCHESTRA II, 1 CREDIT	59434500 SYMPHONIC ORCHESTRA II, 1 CREDIT
59434200 SYMPHONIC ORCHESTRA III, 1 CREDIT	59434600 SYMPHONIC ORCHESTRA III, 1 CREDIT
59434300 SYMPHONIC ORCHESTRA IV, 1 CREDIT	59434700 SYMPHONIC ORCHESTRA IV, 1 CREDIT

Grade: 9-12, 1 credit each

Recommendation: Audition

This orchestra performs concerts and participates in UIL and TMEA activities. Graded performances and rehearsals outside of the school day are an expectation for this course.

<u>FALL</u>	<u>SPRING</u>
59435000 CHAMBER ORCHESTRA I, 1 CREDIT	59435400 CHAMBER ORCHESTRA I, 1 CREDIT
59435100 CHAMBER ORCHESTRA II, 1 CREDIT	59435500 CHAMBER ORCHESTRA II, 1 CREDIT
59435200 CHAMBER ORCHESTRA III, 1 CREDIT	59435600 CHAMBER ORCHESTRA III, 1 CREDIT
59435300 CHAMBER ORCHESTRA IV, 1 CREDIT	59435700 CHAMBER ORCHESTRA IV, 1 CREDIT

Grade: 9-12, 1 credit each

Recommendation: Audition

This orchestra performs concerts and participates in UIL and TMEA activities. This group performs music on the most advanced high school level. Graded performances and rehearsals outside of the school day are an expectation for this course.

## THEATRE ARTS COURSE DESCRIPTIONS

**Fees for supplies, tools and optional trip opportunities may apply. Financial assistance may be available on a limited basis to those who qualify in accordance with program guidelines.**

<b>THEATRE ARTS I</b> 59720000 Credits: 1 Grade: 9-12	This course includes a brief history of the theater, improvisation, pantomime, voice and diction, a study of beginning acting techniques, and aspects of technical theater. Memorized performances and attendance of a minimum of two live theatre performances per semester is required.
<b>THEATRE ARTS II</b> 59720500 Credits: 1 Grade: 9-12 Recommendation: Theatre Arts I Audition and teacher approval	This course includes a brief history of the theater, improvisation, pantomime, voice and diction, a study of beginning acting techniques, and aspects of technical theater. Memorized performances and attendance of a minimum of two live theatre performances per semester is required.
<b>ADVANCED THEATRE III</b> <b>ADVANCED THEATRE IV</b> 59721000	Explores the highly complex areas of theatre. Emphasizes acting, elements of play production, study of theatrical literature and theatre history. Courses 59721000 and 59721500 build on the background established in Theatre Arts I and II, continuing the study of the

59721500

Credits: 1 each

Grade: 10-12

Recommendation: Theatre Arts I & II,  
Audition, Teacher approval

cultural contributions of the theater, its plays, and its performance and production styles and techniques. Basic principles of production are studied and applied through performances in various theatrical modes for major productions. These courses will place an emphasis on higher level and critical thinking skills, will provide for creative productive thinking, stress cognitive concepts and processes, and include instructional strategies that accommodate the learning styles of the students. Participation in additional festivals, performances, and productions is strongly encouraged. Mandatory participation in departmental performances and attendance of a minimum of two live theatre performances per semester is required.

### **TECHNICAL THEATRE I**

59722000

Credits: 1

Grade: 9-12

This course is designed for the student who wishes to examine the technical aspects of the theater such as practical uses of lighting, sound, rigging, general up-keep of equipment and facilities and operation of the equipment at functions outside regular school hours. Students learn all aspects of technical theater: lighting, sound, set design and construction, costuming, make-up, stage and house management. Students will be able to participate in all the behind-the-scenes action. Students will be expected to show a high level of self-motivation, creative problem-solving, organizational skills, talent (artistic and technical), and cooperation. There will be some night and weekend work during production rehearsals and performances. Mandatory participation in departmental performances (crew work) and attendance of a minimum of two live theatre performances per semester is required. Note: Lab time required (substitution of written work available by contract). Involves after school participation.

### **TECHNICAL THEATRE II**

59722500

Credits: 1

Grade: 9-12

Recommendation: Technical Theatre I  
and teacher approval

Explores the technical and business aspects of the theatre and application of these methods and procedures with the major portion of class time spent on actual work on a production. Encourages students to learn all aspects of technical production and then concentrate on those skills which are of most interest. Mandatory participation in departmental performances (crew work) and attendance of a minimum of two live theatre performances per semester is required. Note: Lab time/production work requires time outside the school day; sometimes weekends and holidays.

### **TECHNICAL THEATRE III TECHNICAL THEATRE IV**

59723000

59723500

Credits: 1

Grade: 10-12

Recommendation: Technical Theatre I  
& II, teacher approval

Provides students further opportunities to explore the highly complex world of technical theatre. Emphasizes continued development in all areas of technical theatre; including but not limited to design, leadership, departmental design, facility management, technical support, and production. Mandatory participation in departmental performances (crew work) and attendance of a minimum of two live theatre performances per semester is required. Note: Lab time/production work requires time outside the school day; sometimes weekends and holidays. Courses 59722500, 59723000 and 59723500 combine theories of design and stagecraft techniques with the construction and operation of the various elements of technical theater. Students learn all aspects of technical theater: lighting, sound, set design and construction, costuming, make-up, stage and house management. Students will be able to participate in all the behind-the-scenes action. Students will be expected to show a high level of self-motivation, creative problem-solving, organizational skills, talent (artistic and technical), and cooperation. There will be some night and weekend work during production rehearsals and performances.

### **THEATRE PRODUCTION I THEATRE PRODUCTION II THEATRE PRODUCTION III THEATRE PRODUCTION IV**

59724000

59724500

59725000

59725500

Credits: 1 each

Grade: 10-12

Recommendation: Theatre Arts I and  
teacher approval

These courses provide practical hands-on experience in acting and stagecraft through the preparation and public performances of plays. These curricular laboratories supplement the other theatre courses which concentrate on theories, information, and techniques, by providing for the integration and implementation of these ideas and skills. Although these courses may meet during a regularly scheduled class period, the scope of activities will probably require more time. Consequently, the courses may meet outside of regular school hours. Students participating in these courses should be afforded opportunities to observe preparation and productions of educational, community, and professional theatre companies. Lab time/production work requires time outside the school day; sometimes weekends and holidays. Mandatory participation in departmental performances and attendance of a minimum of two live theatre performances per semester is required.

## **CAREER & TECHNICAL PROGRAMS**

The Achieve Texas College and Career Initiative focuses on establishing career clusters in all of our schools as a strategy for improving high school completion rates and college and workforce readiness. It is based on the belief that the curricula of the 21st century should combine rigorous academics with relevant career education that incorporates the College Readiness Standards, personalized learning environments, academic and social support, relevant teaching and learning designed to promote postsecondary success, and effective educators and leaders. Career clusters are a way of reorganizing learning around programs of study that will prepare students for an ever more competitive global economy.

In Texas, we have adopted the U. S. Department of Education's Career Clusters System. The 16 broad career clusters and 79 programs of study support the Governor's Industry Cluster Initiative, which identifies high-growth/high-paying jobs for the 21st-century Texas economy. Achieve Texas offers guidance to help students plan their educational experience based on their career goals and allows students to develop the knowledge and skills necessary for a successful transition into skilled employment, advanced training, an associate's degree, a bachelor's degree, or technical certification. Career programs of study represent a recommended sequence of courses based on a student's personal interests and career goals. The idea is to connect what students learn in school every day to what they aspire to do tomorrow, thus increasing engagement with school and motivation to achieve.

Career and technical education is an integral part of the total education program. Knowing that a comprehensive education is necessary in today's changing world and recognizing that career and technical education has both cultural and practical value, career and technical programs are designed to supplement the general education program and build on the foundation that is provided. The staff at Dale Jackson Career Center and Career Center East implements the field's best practices and utilizes technology to prepare students to make enduring career decisions. In addition, the staff offers the tools and insights that help shape meaningful academic, internship, and employment experiences and serves as a critical resource in assisting students to achieve their career goals.

### **ACHIEVE TEXAS 16 CAREER CLUSTERS:**

Agriculture, Food and Natural Resources  
Architecture and Construction  
Arts, A/V Technology and Communication  
Business Management and Administration  
Education and Training  
Finance  
Government and Public Administration  
Health Science  
Hospitality and Tourism  
Human Services  
Information Technology  
Public Safety, Corrections and Security  
Manufacturing  
Marketing, Sales and Services  
Science, Technology, Engineering and Mathematics  
Transportation, Distribution and Logistics

## CAREER CENTER COURSES BY CAMPUS

### DALE JACKSON CAREER CENTER

### CAREER CENTER EAST

Audio/Video Production I/Lab- Film & Video  
 Audio/Video Production II/Lab- Film & Video  
 Collision Repair  
 Computer Maintenance/Computer Maintenance Lab  
 Computer Technician Practicum  
 Cosmetology I  
 Cosmetology II  
 Court Systems and Practices  
 Criminal Investigation  
 Food Technology & Safety  
 Forensic Science  
 Health Science Clinical  
 Health Science Theory  
 Hospitality Services  
 Hotel Management  
 Human Growth & Development  
 Instructional Practices  
 Introduction to Cosmetology  
 Manufacturing Engineering Technology I  
 Manufacturing Engineering Technology II  
 Medical Terminology  
 Mill & Cabinetmaking  
 Networking/Networking Lab  
 Paint and Refinishing  
 Practicum in Audio/Video Production-Film & Video  
 Practicum in Education & Training  
 Practicum in Health Science (Clinical Rotations)  
 Practicum in Health Science (Medical Assisting)  
 Practicum in Law, Public Safety, Corrections, and Security  
 Practicum in Manufacturing (Welding)  
 Practicum in Manufacturing (Wood)  
 Practicum in Transportation Systems (Collision, Paint, & Refinishing)  
 Principles of Construction  
 Principles of Cosmetology Design Color Theory I  
 Principles of Education & Training  
 Principles of Health Science  
 Principles of Hospitality & Tourism  
 Principles of Law, Public Safety, Corrections, and Security  
 Principles of Manufacturing  
 Travel Tourism Management  
 Welding I  
 Welding II/ Welding II Lab

Animation I/ Animation I Lab  
 Animation II/ Animation II Lab  
 Architecture Design I  
 Architecture Design II  
 Audio/Video Production I/Lab-TV Broadcasting  
 Audio/Video Production II/Lab-TV Broadcasting  
 Automotive Technology I (NATEF)  
 Automotive Technology II  
 Principles of Biosciences  
 Biotechnology II  
 Career Preparation I Career  
 Preparation II Commercial  
 Photography Cosmetology I  
 Cosmetology II  
 Court Systems  
 Digital Electronics  
 Engineering Design and Problem Solving (Biosciences)  
 Engineering Design and Problem Solving (Digital Electronics)  
 Game Programming and Design  
 Graphic Design and Illustration I/Lab  
 Graphic Design and Illustration II/Lab  
 Health Science Clinical  
 Health Science Theory  
 Law Enforcement I Law  
 Enforcement II Medical  
 Terminology  
 Mobile Application Development  
 Pharmacy Technician (Practicum)  
 Practicum in Architecture Design  
 Practicum II in Architecture Design  
 Practicum in Audio/Video Production-TV Broadcasting  
 Practicum in Graphic Design and Illustration Practicum in  
 Science, Technology, Engineering and  
 Mathematics  
 Practicum in Distribution and Logistics  
 Principles of Architecture  
 Principles of Arts, Audio/Video Technology and  
 Communications  
 Principles of Health Science  
 Principles of Law, Public Safety, Corrections, and Security  
 Robotics I  
 Robotics II  
 Video Game Design Web  
 Game Development Web  
 Game Development

# LEWISVILLE ISD CAREER AND TECHNICAL EDUCATION PROGRAMS OF STUDY



Principles of Agriculture, Food & Natural Resources  
 Wildlife, Fisheries & Ecology Management  
 Equine Science  
 Livestock Production  
 Advanced Animal Science  
 Agricultural Mechanics & Metal Technologies  
 Agriculture Structures Design and Fabrication  
 Floral Design  
 Horticulture Science  
 Landscape Design & Management  
 Turf Grass Management  
 Advanced Plant and Soil Science  
 Practicum in Agriculture, Food & Natural Resources



Principles of Architecture  
 Architectural Design I  
 Architectural Design II  
 Practicum in Architectural Design  
 Practicum in Architectural Design II  
 Principles of Construction  
 Mill and Cabinetmaking Technology  
 Interior Design I  
 Interior Design II



Principles of Arts, A/V Technology & Communication  
 Commercial Photography I  
 Audio Video Production I  
 Audio Video Production I Lab  
 Audio Video Production II  
 Audio Video Production II Lab  
 Practicum in Audio Video Production  
 Animation I  
 Animation I Lab  
 Animation II  
 Animation II lab  
 Practicum in Animation  
 Graphic Design and Illustration I  
 Graphic Design and Illustration I Lab  
 Graphic Design and Illustration II  
 Graphic Design and Illustration II Lab  
 Practicum in Graphic Design and Illustration  
 Video Game Design I  
 Video Game Design II  
 Video Game Design III  
 Game Programming and Design  
 Web Game Development  
 Mobile Application Development  
 Fashion Design I  
 Fashion Design I Lab  
 Fashion Design II  
 Fashion Design II Lab  
 Practicum in Fashion Design



Principles of Business, Marketing & Finance  
 Touch Systems Data Entry  
 Business Law  
 Global Business  
 Business Management I  
 Business Lab\*\*  
 Virtual Business  
 Business Information Management I  
 Business Information Management II  
 Practicum in Business Management



Principles of Education and Training  
 Human Growth & Development  
 Instructional Practice  
 Practicum in Education & Training



Money Matters  
 Banking & Financial Services  
 Accounting I  
 Accounting I (Online)  
 Accounting II



Principles of Health Science  
 Medical Terminology  
 Anatomy & Physiology  
 Medical Microbiology  
 Pathophysiology  
 Health Science Theory  
 Health Science Clinical  
 Practicum in Health Science (Pharmacy Tech)  
 Practicum in Health Science (Medical Asst)  
 Practicum in Health Science (Clinical Rotation)



Principles of Hospitality and Tourism  
 Hotel Management  
 Travel and Tourism Management  
 Hospitality Services  
 Practicum in Hospitality Services  
 Food Science  
 Introduction to Culinary Arts  
 Culinary Arts  
 Advanced Culinary Arts  
 Practicum in Culinary Arts



Principles of Human Services  
 Child Development  
 Interpersonal Studies  
 Lifetime Nutrition and Wellness  
 Introduction to Cosmetology  
 Cosmetology I  
 Principles of Cosmetology Design and Color Theory  
 Cosmetology II



Advertising  
 Sports and Entertainment Marketing  
 Social Media Marketing  
 Entrepreneurship  
 Fashion Marketing  
 Advanced Marketing  
 Practicum in Marketing  
 Extended Practicum in Marketing\*\*



Computer Programming I  
 Computer Programming II  
 Computer Science AP  
 Digital Media  
 Web Technologies  
 Computer Maintenance  
 Computer Maintenance Lab \*\*  
 Networking  
 Networking Lab \*\*  
 Computer Technician Practicum



Engineering Design and Presentation  
 Engineering Mathematics  
 Biotechnology I  
 Biotechnology II  
 Robotics I  
 Robotics II  
 Digital Engineering Design and Problem Solving  
 Digital Electronics  
 Practicum in STEM



Principles of Law, Public Safety, Corrections & Security  
 Law Enforcement I  
 Law Enforcement II  
 Courts Systems and Practices  
 Forensic Science  
 Criminal Investigations  
 Federal Law and Protective Services  
 Firefighter I  
 Firefighter II  
 Practicum Law, Public Safety, Corrections & Safety  
 Correctional Services







Automotive Technology I Maintenance and Light Repair  
 Automotive Technology II Automotive Services  
 Practicum in Transportation, Distribution, & Logistics (Auto Tech)  
 Collision Repair  
 Paint and Refinishing  
 Practicum in Transportation, Distribution, & Logistics (Collision)



Welding I  
 Welding II  
 Practicum in Manufacturing (Welding)  
 Principles of Manufacturing  
 Manufacturing Engineering Technology I  
 Manufacturing Engineering Technology II  
 Practicum in Manufacturing (Woods)

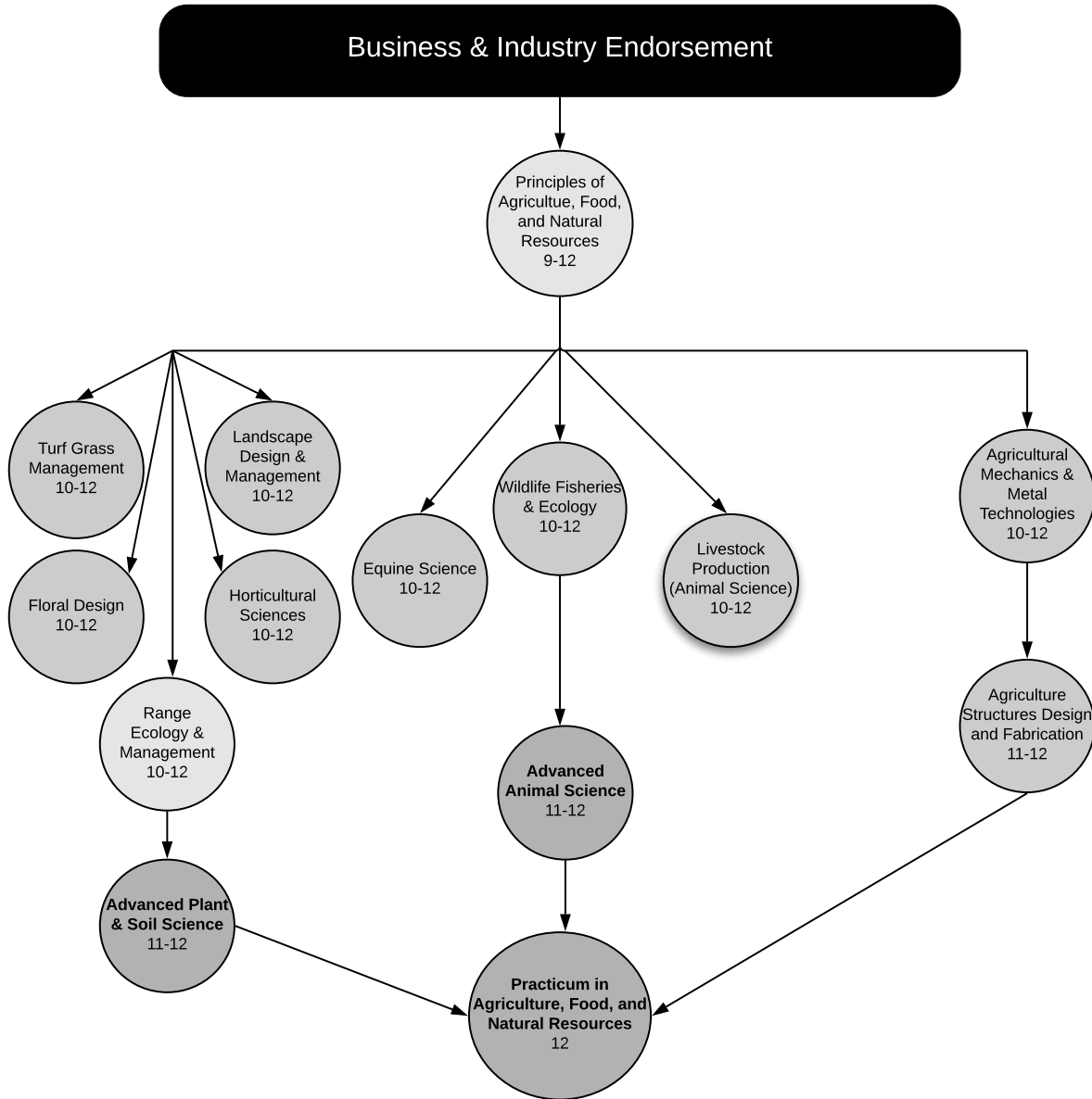
**PLEASE NOTE:**

-  **Students should use the Program of Study chart as a guide when completing their 4-year plan**
-  **Some courses have pre-requisites or co-requisites; See the High School Course Planning Guide for additional information.**
-  **Students may choose to change from one Program of Study to another**
-  **Programs of Study provide opportunities**



# Agriculture, Food, & Natural Resources

This career cluster prepares students for careers related to agriculture, animal sciences, biotechnology, and conservation. People in this industry can be farmers, environmental engineers, zoologists, and golf course managers. Only available at LHS & MHS.



○ Home Campus Course   
 □ Career Center Course

Light gray - 1st year course in sequence.  
**Bolded** courses represent Advanced Level CTE course in sequence.  
 \*CTE course sequence in high demand.

## AGRICULTURAL FOOD AND NATURAL RESOURCES

(LHS, MHS & TCHS ONLY)

NOTE: Students housing animals at the Chester Boyd Center will be assessed a \$50-\$100 fee depending on species

**The State Board of Education requires students enrolled in Agricultural Science and Technology courses to have a supervised agricultural experience program (SAEP). A copy of complete rules and guidelines is available in the Agricultural Science and Technology Department on each campus or in the counseling office.**

### PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES

Course: 79730100

Credits: 1

Grade: 9-12

Recommendation or Prerequisite: None

Principles of Agriculture, Food & Natural Resources is a comprehensive course that provides students the knowledge and skills necessary for career planning and advanced study in the broad field of agriculture/agribusiness. Topics of instruction include the agricultural industry and its global importance; agricultural leadership organizations; agricultural research; concepts of animal and plant science; basics of mechanized agriculture; personal and communication skills; and citizenship and cooperation.

### AGRICULTURAL MECHANICS & METAL TECHNOLOGIES

Course: 79730200

Credits: 1

Grade: 10-12

Recommendation: Principles of Agriculture, Food & Natural Resources

Agricultural Mechanics & Metal Technologies is a course that introduces students to agricultural mechanics with emphasis on theory and technical skill development. Topics and skill areas include safety, tool identification, carpentry, electricity, plumbing, masonry, fencing, painting, and hot and cold metal skills as it relates to the welding process. (Lab Fees Required)

### AGRICULTURE STRUCTURES DESIGN AND FABRICATION

Course: 79730300

Credits: 1

Grade: 11-12

Recommendation: Agricultural Mechanics & Metal Technologies

Agriculture Structures Design and Fabrication students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.

### LIVESTOCK PRODUCTION (ANIMAL SCIENCE)

Course: 79734700

Credits: 1

Grade: 10-12

Recommendation: Principles of Agriculture, Food & Natural Resources

Animal Science explains animal anatomy and physiology related to nutrition, reproduction, health, and management of livestock animals; identifies nutritional requirements of ruminant and non-ruminant animals; and discusses animal genetics, reproduction, animal pests and diseases, and traditional and current issues in animal agriculture and livestock production.

### EQUINE SCIENCE

Course: 79735100

Credits: 0.5

Grade: 10-12

Recommendation: Principles of Agriculture, Food & Natural Resources

Equine Science identifies and analyzes horse selection, feeding, handling, care, breeding, and other management techniques.

### ADVANCED ANIMAL SCIENCE

Course: 79730600

Credits: 1 (qualifies Science credit)

Grade: 11-12

GPA Level: 1

Prerequisite: Animal Science or Equine Science

Advanced Animal Science demonstrates principles relating to the interrelated human, scientific, and technological dimensions of animal agriculture and the resources necessary for producing domesticated animals; applies the principles of genetics and breeding to livestock improvement; examines animal anatomy and physiology in livestock species; recognizes policies and issues in animal science; discusses slaughter livestock operations; and explores methods of marketing livestock. Qualifies for a Science credit.

### HORTICULTURAL SCIENCES

Course: 7973300

Credits: 1

Grade: 10-12

Recommendation: Principles of Agriculture, Food & Natural Resources

Horticultural Science is a course designed to introduce students to horticultural sciences with emphasis on technical skills, entrepreneurship, occupational opportunities, and horticultural business practices. Topics of instruction include plant identification and classification, greenhouse and nursery structures and equipment, plant propagation, and cultural requirements for growing horticultural plants. Also included is related information on landscaping; floral design; fruit, nut, and vegetable crop production; safety; leadership; and career opportunities.

### LANDSCAPE DESIGN & MANAGEMENT

Course: 797356000

Credits: 0.5

Grade: 10-12

Recommendation: Principles of Agriculture, Food & Natural Resources

Landscape Design & Management is a technical course that prepares students to design, construct, and maintain landscape areas for the beautification of home grounds and other areas of human habitation and recreation. Instruction emphasizes the design process, client interview and site analysis, landscape design principles and plan preparation, and the selection of plants and landscape structures. Also included is related information on plant installation; maintenance tasks; safety; landscaping tools and equipment; and service contracts related to



landscape design, installation, and maintenance.

### **TURF GRASS MANAGEMENT**

Course: 79735700

Credits: 0.5

Grade: 10-12

Recommendation: Principles of Agriculture, Food & Natural Resources

Turf Grass Management is designed to develop an understanding of turf grass management techniques and practices. The students will learn the environmental, aesthetic, and financial benefits of turf grass in residential, commercial, and athletic settings. They will learn the importance of how to maintain turf grass during the different seasons when it comes to warmer and cooler weather. Instruction emphasizes the design process, client interview, site analysis, design principles and plan preparation, and the selection of plants and landscape structures. Also included is related information on turf grass installation; maintenance task; safety; tools and equipment; and services contracted related to design, installation, and maintenance.

### **FLORAL DESIGN**

Course: 79731200

Credits: 1

Grade: 9-12

Recommendation: Principles of Agriculture, Food & Natural Resources

Principles and Elements of Floral Design is a technical course that prepares students to design and arrange floral materials, tropical and blooming plants for special occasions, and for use and placement in interior locations. Topics of instruction include identification and classification of fresh-cut floral materials; fresh flower and foliage care and handling; design principles, elements, and mechanics; and the construction of basic and contemporary geometric designs, boutonnieres, and corsages using fresh-cut, dried, and/or permanent floral materials. Also included is related information on tropical foliage and blooming plant identification, interior landscape design, cultural requirements and tasks for maintaining healthy interior plants, and safe work practices. This course prepares students for a career in the floral industry and emphasizes certification from the Texas State Florist Association. (Lab Fees Required). This course will satisfy the Fine Art requirement for all graduation plans.

### **ADVANCED PLANT & SOIL SCIENCE**

Course: 79731400

Credits: 1

Grade: 11-12

GPA Level: 1

Recommendation: Landscape Design

Advanced Plant and Soil Science identifies skills relating to the interrelated human, scientific, and technological dimensions of crop production and the resources necessary for producing domesticated plants, identifies key factors in large-scale agricultural production, and develops scenarios for advances in plant and soil science

### **WILDLIFE FISHERIES & ECOLOGY MANAGEMENT**

Course: 79737200

Credits: 1

Grade: 9-12

Recommendation: Principles of Agriculture, Food & Natural Resources

Wildlife Fisheries & Ecology Management is designed to examine the importance of wildlife and ecosystem management. The emphasis is on the sound management of wildlife and all natural resources in a way that promotes continued use. A study of aquatic plants and animals, water management, and safety education programs for hunters, boaters, and anglers are emphasized.

### **PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCES**

Course: 79731300

Credits: 2

Grade: 12

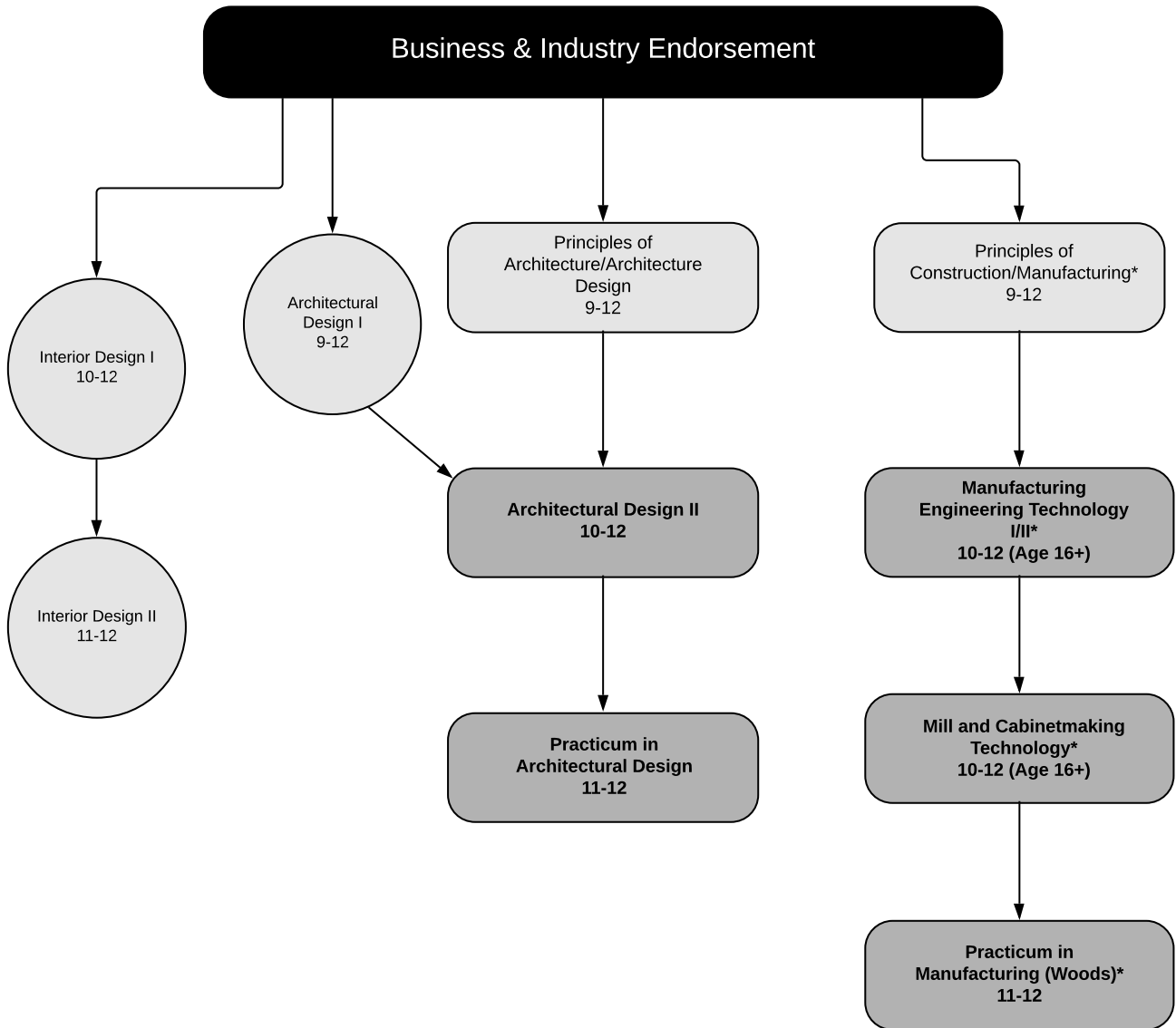
Prerequisite: Completion of at least three courses in a career coherent sequence

This course is a project-based learning experience developed by a student or group of students, teacher, and an interdisciplinary mentor team. The project provides opportunities for an in-depth study of at least one aspect of the agricultural science and technology area. The student or group demonstrates the ability to utilize a variety of resources, advanced technology, and communication skills in the development and presentation of the project.



# Architecture and Construction

This career cluster prepares students for careers in designing, architecture, building, and building maintenance. People in this industry can be Architects, Drafters, Construction Managers, Carpenters, and Cost Estimators.



○ Home Campus Course    □ Career Center Course  
 Light gray - 1st year course in sequence.  
**Bolded** courses represent Advanced Level CTE course in sequence.  
 \*CTE course sequence in high demand.

## ARCHITECTURE & CONSTRUCTION

ALL courses at the Career Centers are DOUBLE BLOCKED 2 hour classes. Courses in this cluster may satisfy the BUSINESS & INDUSTRY ENDORSEMENT for the Foundation High School Program. Bus transportation provided to/from Career Centers from HS campuses.

### **(DJCC) PRINCIPLES OF CONSTRUCTION (DJCC) PRINCIPLES OF MANUFACTURING**

Course: 89182000/89820200

Credits: 1 each

Grade: 9-12

Recommendation: None

**Offered at The Dale Jackson Career Center**

Principles of Construction provides an overview to the various fields of architecture, interior design, construction science, and construction technology. 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. This exploratory course addresses the knowledge and skills important in woodworking industry. Students study common manufacturing tools, machines, materials and processes in a laboratory setting. After completing core projects, students have the opportunity to build individual projects with approval of the instructor. Students wishing to build a project are expected to pay for all materials.

Principles of Manufacturing provides an overview to the various sectors found in manufacturing. This includes product design, Laser engraving, CNC Machining, Vacuum forming, engineering, and product management. This is a technical course that enhances the understanding of various materials, processes, and products. Experiences include safety and instruction of tools and machines associated with manufacturing.

### **MANUFACTURING ENGINEERING TECHNOLOGY I**

### **MANUFACTURING ENGINEERING TECHNOLOGY II**

Course: 89820300/89820400

Credits: 1 each

Grade: 10-12 or Age 16+

Prerequisite: Principles of Construction

These two classes are particularly helpful for students who have AutoCAD experience that would like to combine it with hands on experience to prepare for a postsecondary degree or to be more competitive in the job market. In the first nine weeks students will complete and be issued a 10hr OSHA (Occupational Safety and Health Administration) safety card which is issued to them by the U.S. Department of Labor and good for the rest of their lives.

Materials studied may include polymers, adhesives, woods, and sheet goods. Mathematical and scientific concepts are stressed as students study various processes used for transforming materials into products such as computer stations, desks, entertainment centers, and tables, etc. Students study the design of products, quality control, and design of production tooling, machine tool setups, and manufacturing systems. Students wishing to build projects are expected to pay for all materials. Offered at The Dale Jackson Career Center\*\* **Must sign up simultaneously for Manufacturing Engineering II below for the 2 credit program)**

### **MILL AND CABINETMAKING TECHNOLOGY**

Course: 89819100

Credits: 2

Grade: 10-12 or Age 16+

Prerequisite: Manufacturing Technology II

**Offered at Dale Jackson Career Center Only**

Students in this class will have the opportunity to further develop skills needed in the area of industrial woodworking or millwork – manufacturing and production of quality cabinets and furniture. This class is great for students who want to jumpstart their career in areas such as Manufacturing Engineer, Cabinet Maker, Interior Design, etc. Students will be made aware of new technological advancements and changes occurring in this traditional but progressing industry. Upon completion of this class students will have the opportunity to take the Woodwork Career Alliance (WCA) national certification. Dale Jackson Career Center is one of only two schools in the state that can offer this industry recognized certification. Students wishing to do personal projects will be expected to pay for the materials

### **PRACTICUM IN MANUFACTURING (Woods)**

Course: 89820600

Credits: 2

Grade: 11-12

Prerequisite: Mill & Cabinetmaking Technology

**Offered at Dale Jackson Career Center Only.**

### **PRINCIPLES OF ARCHITECTURE**

Course: 79183000 (home campus)

Credits: 1

Must have own transportation to work-based learning site. This is a lab based study that develops the essential knowledge and skills through a learning experience that is developed by the student and teacher. This training plan provides opportunities for an in-depth study of at least one aspect of the industry. Topics common to this study include safety, leadership, entrepreneurship, work ethics, career opportunities, and job acquisition skills. The student will demonstrate the ability to utilize a variety of resources, advanced technology, and communication found in the work place.

This course provides an overview for the various fields of architecture, interior design, and construction. Students use project-based experience and career information to set and achieve realistic career and educational goals for architecture and the allied arts. Classroom

Grade: 9-12  
Recommendation: Middle School Art and Technology Art I

studies include principles of design, drawing and technical drafting, model construction, architectural history, work ethics and employability, communication, and teamwork. Students will engage in projects throughout the semester that teach creative problem solving, critical thinking, and the development of technical skills. **(CCE must sign up simultaneously for Architecture Design I below for the 2 credit program)**

### **ARCHITECTURAL DESIGN I**

Course: 7918300 (Campus)  
89771500 (CCE)

Credits: 1  
Grade: 9-12  
Recommendation: Principles of Architecture

This is a course for the development of technical skills and practices used in the architecture and design industries. Project-based learning provides students opportunities to study and practice visual communication in various forms. Student experiences may include learning technical standards and professional expectations, sketching and technical drafting, architectural design, digital and physical model construction, and document publishing. **Offered at Career Center East, FMHS, HHS, and LHS. (CCE must be taken simultaneously with Principles of Architecture above for the 2 credit program)**

### **ARCHITECTURAL DESIGN II**

Course: 89771200  
Credits: 2  
Grade: 10-12  
Prerequisite: Architectural Design I

**Offered at Career Center East Only**

Students will continue their investigation of residential design and construction in a series of independent projects emphasizing creative thinking and innovative design solutions. Projects will incorporate significant research from subjects within and outside architecture. Each student will explore and develop their design solution through sketching, model construction, and presentation renderings. Projects are developed with manual tools as well as digital technology including Sketchup, and Autodesk Revit. A study of sustainable or “green” design will be included throughout the semester. Each project culminates with a presentation of student design solutions before a jury of architectural professionals. At the completion of the course, students have the opportunity to receive Autodesk Software certification.

### **PRACTICUM IN ARCHITECTURAL DESIGN**

Course: 89771300  
Credits: 2  
Grade: 11-12  
Prerequisite: Architectural Design II

**Offered at Career Center East Only**

Practicum architecture students are given complex architectural projects from which to develop creative solutions for presentation to a jury of professionals for evaluation. Projects in the Practicum class focus on commercial or institutional buildings at much larger scales than previous classes. Additional studies incorporated into coursework include advanced architectural theory, urban design, and advanced sustainability concepts. Projects in this course emphasize independent research and development of individual student concepts for real-world problems. At the completion of the course, students have the opportunity to receive Autodesk Software certification.

### **INTERIOR DESIGN I**

Course: 79753700  
Credits: 1  
Grade: 10-12  
Recommendation: Algebra I & English I

Through creativity and hands on experiences, this class discusses how students will enhance the environments in which they live and work. Studies include factors affecting housing choices, planning of interior environments, selecting appliances, furniture and accessories, and determining career options. Supply fees may be required.

### **INTERIOR DESIGN II**

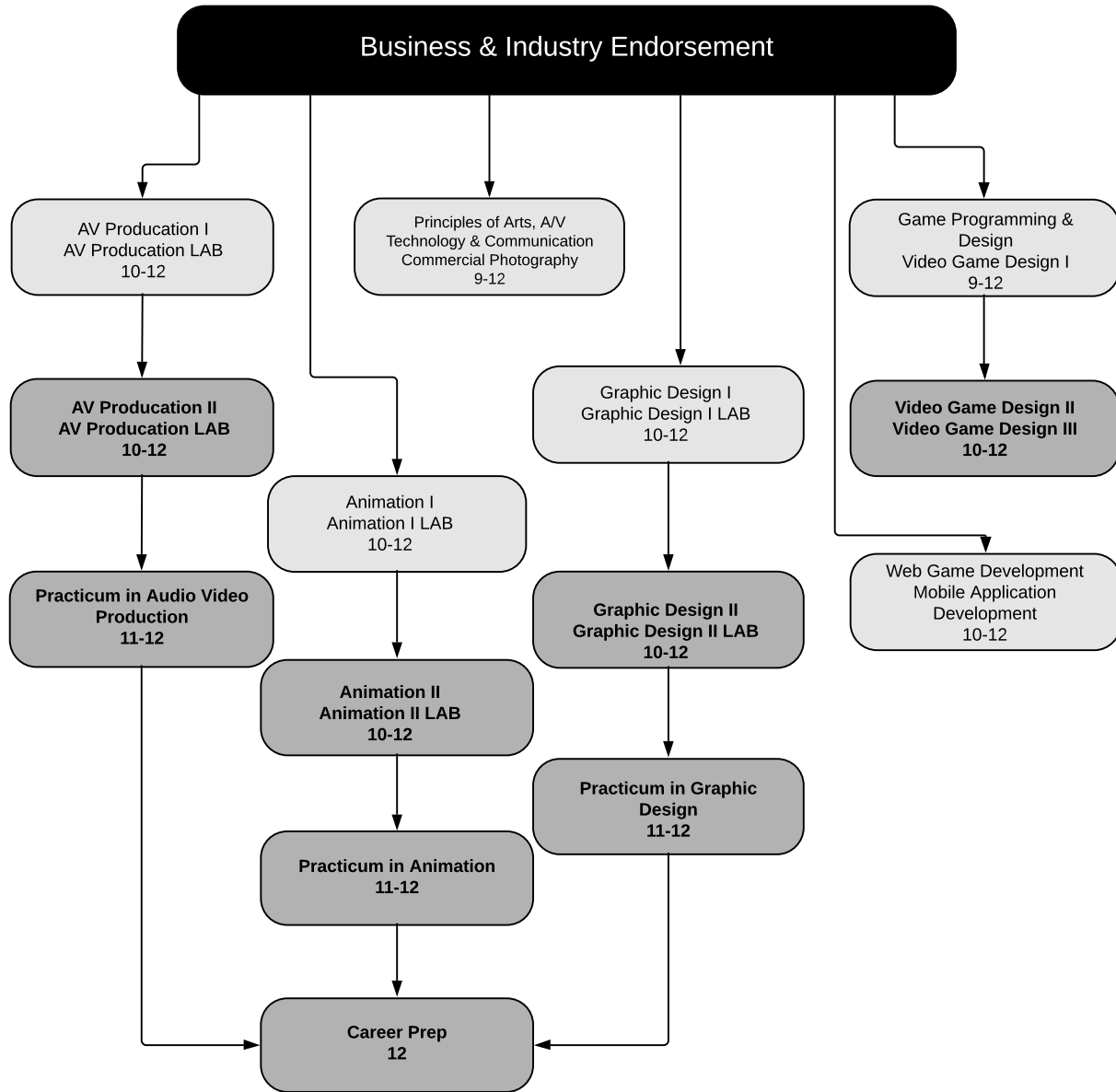
Course: 79753600  
Credits: 2  
Grade: 11-12  
Prerequisite: Interior Design I

Continue your education of Interior Design in this lab based class. Intricate design techniques and equipment will be used. Students will develop a portfolio of sketches and design. Topics covered include, entrepreneurship and employment skills, commercial and residential interior drawing, redesign of furniture and spaces, and competences of systems and technology needed in work situations. Materials and supply fee may be required.



# Arts, A/V Technology & Communication

This career cluster prepares students for careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.



○ Home Campus Course    □ Career Center Course

Light gray - 1st year course in sequence.

**Bolded** courses represent Advanced Level CTE course in sequence.

\*CTE course sequence in high demand.

## ARTS, AUDIO VISUAL TECHNOLOGY & COMMUNICATION

ALL courses at the Career Centers are DOUBLE BLOCKED 2 hour classes. Courses in this cluster may satisfy the BUSINESS & INDUSTRY ENDORSEMENT for the Foundation High School Program. Bus transportation provided to/from Career Centers from HS campuses.

### INTRODUCTION TO ARTS, AV TECH, COMMUNICATION

#### COMMERCIAL PHOTOGRAPHY

Course: 89800100/89801300

Credits: 1 each

Grade: 9-12

**Commercial Photography** – This photography course focuses on studio-based photography. Students will learn basic DSLR camera operations, framing and the art of styling and lighting for professional photo shoots. Projects will include various print advertisements and studio work. Some examples of jobs in this area are photographer, graphic designer and stylist. Students will complete a number of projects and design pieces to be added to personal portfolios.

**Principles AAVTC** – This course is designed for freshman students as an introduction to the audio/video production, graphic design and animation industries. Students will learn the basic information about these different fields to prepare them for additional study in high school and college. Projects will include creating video shorts, posters, and basic 2D animations. Some examples of jobs in this cluster are videographer, animator, photographer, graphic designer, motiongraphics designer, and many others. **Offered at both career centers, only available paired with Commercial Photography.**

### VIDEO GAME DESIGN I GAME PROGRAMMING AND DESIGN

Course: 89804400/89804300

Credits: 1 each

Grade: 9-12

Recommendation: Touch Systems  
Data Entry or BIM/Art I/Algebra I

Offered at Career Center East Only.

Video Game Design I provides students with the opportunity to design, program, and create fully functional video games. The course will introduce basic programming and design skills that are essential to developing a video game. Topics covered are math, physics, level design, and computer programming. This course will instruct students on how to use problem solving in real world situations. Students will also learn the basics of programming structure and the software development life cycle.

Game Programming and Design is an introductory course to video game programming, 2D and 3D design, and video game art. Students will learn the principles and practice of modeling in polygons, applying textures and materials to those models, and rendering them with appropriate lighting. The models, characters, and images created will be optimized for game engines. Students will also add game audio sound effects and music. This course provides a solid foundation in the essentials of game design and the process of creating game assets. This is a Technology Applications course.

### VIDEO GAME DESIGN II VIDEO GAME DESIGN III

Course: 89824243/89824343

Credits: 1 each

Grade: 10-12

Prerequisite: Video Game Design I

Students will dive into the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code.

Students will develop mobile applications, including traditional mobile and mobile virtual reality games. Touch input, mobile optimization, and VR principles such as optics, stereopsis, and tracking will be covered in this course. Students enrolled in this course will have the opportunity to sit for the Unity Certified Developer Certification. **Offered at Career Center East Only. Must be taken with Video Game Design II.**

### WEB GAME DEVELOPMENT/ MOBILE APPLICATION DEVELOPMENT

Course: 89814300/89814400

Credits: 1

Grade: 10-12

GPA Level: 1

Recommendation: None

**Offered at Career Center East Only.**

Web Game Development is a computer programming course that provides students with opportunities to use digital media and environments to program web games with HTML5, CSS3, and JavaScript; analyze and summarize streaming media/content and game broadcasting; and review the history of gaming; game types. Students will also investigate career opportunities in programming, gaming, art, design, business, and marketing; develop and create a gaming storyboard and script as well as implement graphic and game design elements. *This is a Technology Applications course and may count towards a Business & Industry Endorsement. Certifications offered include: HTML, HTML5, CSS3, and JavaScript. The certification fees have yet to be determined. There are no supplies associated with this course.* In order to pass the certification exams, strong written and communication

skills, typing skills, organization skills, and the ability to work well within groups, as well as individually, are required.

Mobile Application Development is a computer programming course that fosters students' creativity and innovation by presenting opportunities to design, implement, and deliver meaningful projects using mobile computing devices through problem-solving and collaboration. Students will gain an understanding of the principles of mobile application development through the study of development platforms, programming languages, and software design standards. Through data analysis, students will identify task requirements, plan search strategies, and use software development concepts to access, analyze, and evaluate information needed to program mobile devices. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. *This course is a Technology Applications course and may count towards a Business & Industry Endorsement. There are no fees or supplies associated with this course.* In order to pass the certification exams, strong written and communication skills, typing skills, organization skills, and the ability to work well within groups, as well as individually, are required. **Must be taken with Web Game Development to receive credit.**

### GRAPHIC DESIGN AND ILLUSTRATION I & LAB

Course: 89800900/89801400

Credits: 1 each

Grade: 10-12

Recommendation: Principles of Arts, A/V Technology and Communications

**Offered at Career Center East Only.**

This entry level course introduces students to the visual communication portion of all media businesses. You will learn about media careers, including graphic design and illustration jobs, starting a freelance career, and working at a professional ad agency. The class concentrates on digital photography and works towards the intermediate level use of image editing and drawing programs. This includes a strong focus on software in the Adobe Creative Suite, including Photoshop and Illustrator. This knowledge will benefit any future graphic designer, illustrator, photographer, videographer, animator, or advertiser. Beginning a high quality portfolio for college or design school is also a target goal. If you have ever wanted to design CD covers, create promo posters for your favorite band's latest concert, create illustrated characters, or design professional logos, this may be the class for you. Students will complete the industry recognized Adobe Certification Associate exam at the end of the semester. Material costs for individual projects kept by the student may be charged. Material and supply fees may be required.

**Graphic Design and Illustration I and Graphic Design and Illustration I Lab must be taken concurrently.**

### GRAPHIC DESIGN AND ILLUSTRATION II & LAB

Course: 89802300/89801400

Credits: 1 each

Grade: 10-12

Prerequisite: Graphic Design and Illustration I

**Offered at Career Center East Only.**

Students focus on expanding and improving design portfolios during this second year of Graphic Design and Illustration. Students study advanced concepts in illustration and design by learning new software programs and continuing to hone skills in image editing and digital photography. Students may select an area of visual communication to begin specializing in during this year of study. This may include graphic design, photography, or digital illustration. Students typically have guest speakers from the industry, as well as, from post-secondary institutions with opportunities to meet one-on-one with admissions personnel for individual feedback on portfolios. Students conduct weekly studies of college art and media programs, as well as various professional careers in advertising and media businesses. Students will also work as mentors to the year one students. The course provides opportunities for additional Adobe certification exams. Material costs for individual projects kept by the student may be charged. Material and supply fees may be required. **Graphic Design and Illustration II and Graphic Design and Illustration II Lab must be taken concurrently.**

### PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION

Course: 89800800

Credits: 2

Grade: 11-12

GPA Level:

This third year of Graphic Design and Illustration serves students interested in further development of professional portfolios, in addition to further development of skills and technical knowledge in the digital arts and communications. Students will work as mentors to the year one and year two students. Practicum students will produce professional projects for local organizations and businesses, and they will participate in community service

Prerequisite: Graphic Design and Illustration II

**Offered at Career Center East Only**

projects using their digital communication skills. This experience will further develop knowledge and awareness of the industry in graphic design and illustration. Students typically attend field trips to gain a better understanding of the industry. They also meet with admissions personnel from post-secondary institutions with opportunities for one-on-one feedback on portfolios. There is weekly study of college art and media programs, as well as various professional careers in advertising and media businesses. Practicum students will have internship opportunities, both on campus and off campus. Material costs for individual projects kept by the student may be charged. Material and supply fees may be required. ***This course will satisfy the Fine Art requirement.***

**AUDIO VIDEO PRODUCTION I AUDIO VIDEO PRODUCTION I LAB**

Course: 89816800/89802400

Credits: 1 each

Grade: 10-12 or age 16+

Recommendation: Introduction AAVTC, Journalism, Broadcast Journalism, Theater, Photography, Writing, Art, Graphics, Animation

This course will explore the Audio and Video production industry and its post-secondary educational and career opportunities. Students will gain job-specific training for entry-level employment in audio, video, television, and motion picture careers. Professional grade equipment and software will be used in the creation of student lead productions. Students will be involved in every aspect of several class and small group audio, video, and film style production projects with emphasis on live multi-camera video and film style production projects. Materials and supplies fees may be required. **Offered at both Campuses**

**AUDIO VIDEO PRODUCTION II – TV BROADCASTING/ AVP II LAB**

Course: 89817243/89802443

Credits: 1 each

Grade: 10-12 or age 16+

Prerequisite: AV Production I  
Recommendation: Journalism, Broadcast Journalism

This course is the second term of a three-term program. Students will focus on television broadcast-style productions. Specifically, students will be tasked with duties and responsibilities for various district broadcasts. Most of the work for this course will involve students producing news-style content. Students will also have opportunities to produce personal projects for credit throughout the year. Students will create a portfolio of work. **Additional time** beyond regular school hours **is required** for productions. Materials and supplies fees may be required. **Offered at Career Center East**

**AUDIO VIDEO PRODUCTION II – FILM & VIDEO/ AVP II LAB**

Course: 89817200/89802100

Credits: 1 each

Grade: 10-12 or age 16+

Prerequisite: AV Production I

**Offered at Dale Jackson Career Center**

This course is the second term of a three-term program. Students will work on several audio and/or video productions created for television, cable television, education, radio, entertainment, business and/or industry. Students may concentrate on specific areas of interest such as videography, video editing, film editing, audio recording, audio mixing, sound reinforcement, sound design, screenwriting, dialog editing, lighting, directing, producing, still or animated computer graphics, special effects, voice talent, on-camera talent, production management and camera operation. Students will create a portfolio of work. Additional time beyond regular school hours is required for in-class and school district productions. Adobe After Effects CC ACA exam is given in this course. Materials and supplies fees may be required.

**PRACTICUM AVP – BROADCAST PRACTICUM AVP - FILM**

Course: 89803443 (Broadcast)/ 89803400 (Film)

Credits: 1 each

Grade: 11-12

Prerequisite: AV Production II/Lab

**Offered at both Career Centers**

Students in this class will develop advanced knowledge and skills in their chosen field of study related to audio and video production. Students will develop their portfolio of work that will assist them in gaining entry-level employment, earning admittance into college film/video, television/radio broadcasting, and audio production programs, as well as securing post-secondary scholarships. Students will be expected to take on producer roles and leadership responsibilities. **Additional time** beyond regular school hours **is required** for productions. Material and supply fees may be required. This course may be repeated once for credit (**\$130.112**). **Offered at both Career Centers**

**ANIMATION I/ ANIMATION I LAB**

Course: 89820700/89802843

Credits: 1 each

Grade: 10-12

Animation I is an introduction to traditional animation. Skills learned in Animation will prepare students for a possible future in the television/movie industry in the areas of animation, character, special effects, and motion graphics. In addition, this course is designed for students that want to pursue careers in video gaming (character and level design), print advertising, scientific



Recommendation: Principles of Arts,  
A/V Technology and  
Communications  
**Offered at Career Center East**

visualization, medical animation. Students will digitally create both 2D animations and 3D computer-generated animations. The basic principles of design and animation will be covered that have been used by professionals from the days of Bugs Bunny and Mickey Mouse up to the modern age of Pixar and DreamWorks. All students will have drawing assignments to help them in building drawing and critical thinking skills. With the approval of the instructor, students may have the choice to complete major projects in either 2D (digitally hand drawn) or 3D (polygon models). Students should have basic computer skills and be able to manage files and folders. It is helpful to have skills in drawing and geometry prior to taking this course. Material and supply fees may be required. **Adobe Certification Exams Available. Animation I and Animation I Lab must be taken concurrently.**

### **ANIMATION II ANIMATION II LAB**

Course: 89820800/89802943  
Credits: 1 each  
Grade: 11-12  
Prerequisite: Animation I

Animation II allows students to apply their knowledge of animation to complete fully developed short animations that may be used in their portfolio (demo reel). With the approval of the instructor, students may have a chance to complete major projects in 2D or 3D. All students will have the opportunity to further their progression by learning acting techniques, lip sync, advanced walk/run/jump cycles, forward kinematics, and inverse kinematics. Students may also have an opportunity to explore other related areas including motion graphics, visualizations, interactive applications, and game simulations. In addition to at least one major individual project, students will combine their talents in a group project. Students are expected to create animated shorts that can be used by the community and entered into animation/film festivals. Students will present their final portfolio to the public during the last two weeks of the semester. The Animation II Lab is offered concurrently and gives students time to apply concepts covered in the course to animated short films. Material and supply fees may be required. **Adobe Certification Exams Available. Autodesk Certification Exams Available. Animation II and Animation II Lab must be taken concurrently. Offered at Career Center East**

### **PRACTICUM IN ANIMATION**

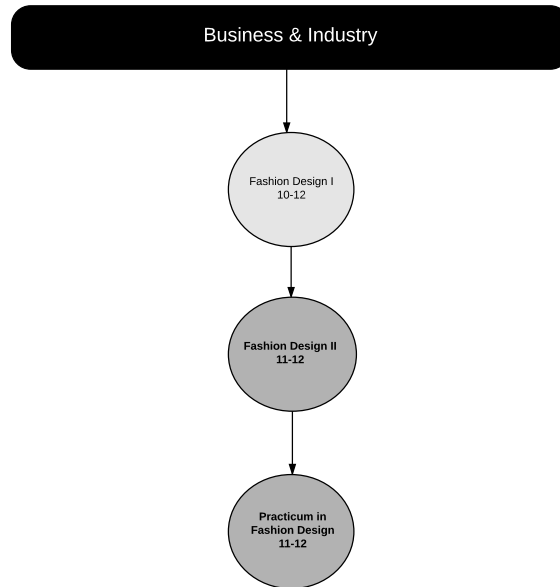
Course: 89819300  
Credits: 2  
Grade: 11-12  
Prerequisite: Animation II

Practicum in Animation is a high level study of the art and technique of animation as applied to the film, broadcast, web, and gaming industries. Students will have a chance to focus their study in a particular area including 3D character animation, 2D character animation, character design, 3D scientific visualizations, medical animation, video game art, level design, game modules, and motion capture. This course is designed specifically for students that are preparing to major in this discipline in college. Students will complete both individual and group projects that may be used for entrance in post-secondary institutions, earn scholarships, or acquire internships or employment. Students are expected to create an extensive portfolio from animations that can be used by the community, entered into animation/film festivals, and displayed to the public during the last two weeks of the semester. Note: This course is a special section of the Practicum in Audio Video Production course. Material and supply fees may be required. **Offered at Career Center**



## Arts, A/V Technology & Communication (Home Campus)

This career cluster prepares students for careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.



Light gray represents 1st year course in sequence.  
Bolded courses represent Advanced Level CTE course in sequence.  
\*CTE course sequence in high demand.

### **FASHION DESIGN I**

Course: 79751300

Credits: 1

Grade: 10-12

Recommendation: None

This fun fashion forward class will teach about sewing (machine and hand), sketching, fashion design, industry trends and careers, and developing a personal style. The use of technology, reusing, and repurposing will be discussed to get the most out of the apparel dollar. No previous sewing experience necessary. Material and supply fees may be required.

### **FASHION DESIGN II**

Course: 79752200

Credits: 1

Grade: 11-12

Prerequisite: Fashion Design I

Continue your education of Fashion Design in this lab-based class. Custom garments will be constructed applying procedures for proper fitting, pattern making, and alterations. Emphasis is placed on determining textile suitability for specific application and refining sewing techniques. Develop a portfolio of sketches and garments. Examine the role of fashion history, leading designers, and international influences on fashion design. Materials and supply fee are required.

### **PRACTICUM IN FASHION DESIGN**

79752100

Credits: 2

Grade: 11-12

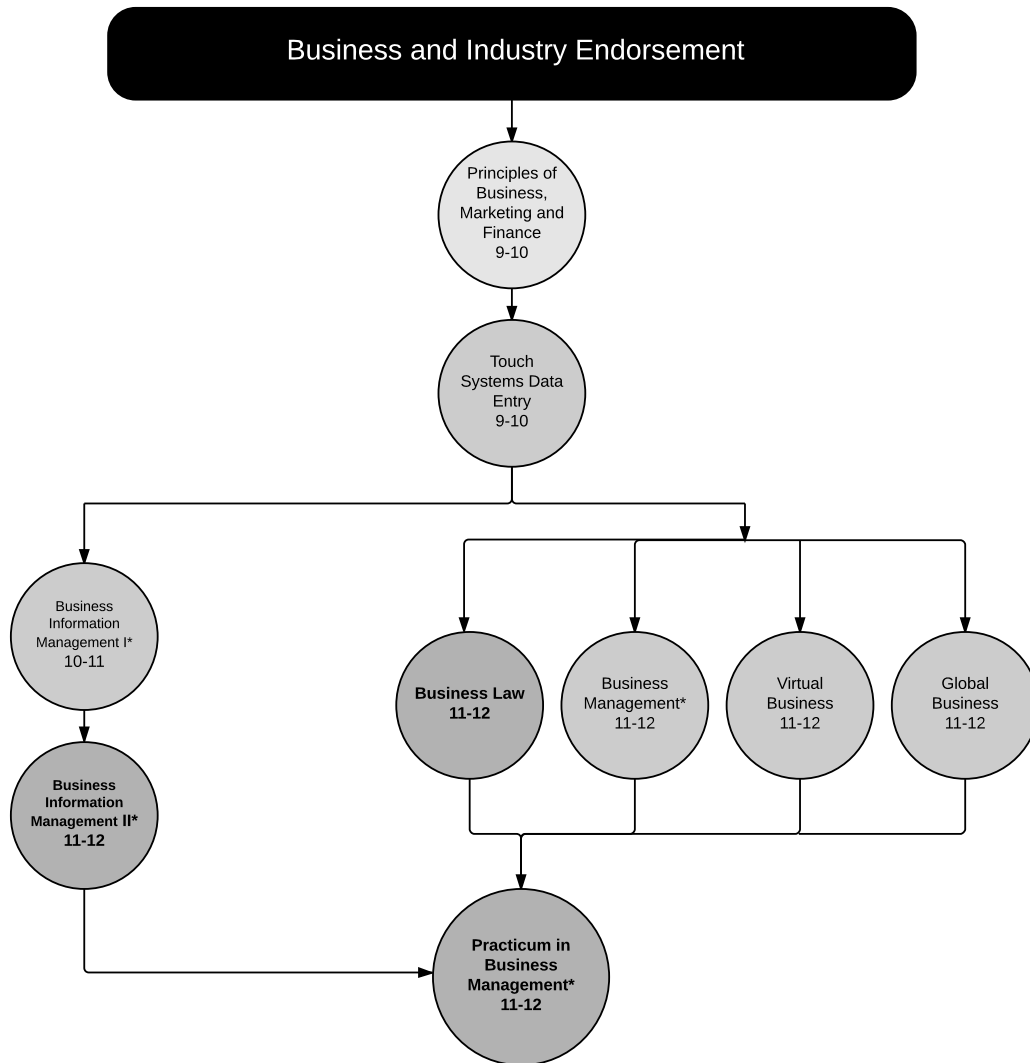
Prerequisite: Fashion Design II

Emphasis is placed on the retail fashion marketplace and the business of fashion. Learn the process for fashion retail buying, the wholesale market and relationship between the marketing mix and the fashion industry. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Material and supply fees are required.



# Business Management & Administration

This career cluster prepares students to run a business or be the person to make a business successful. People in this industry can be chief executives, office managers, business owners, and human resource specialists.



Light gray represents 1st year course in sequence.  
**Bolded** courses represent Advanced Level CTE course in sequence.  
\*CTE course sequence in high demand.

## BUSINESS MANAGEMENT & ADMINISTRATION

All courses listed in this section are taught at the home campuses. Courses in this cluster may satisfy the BUSINESS & INDUSTRY ENDORSEMENT for the Foundation High School Program.

### PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE

Course: 79170000

Credits: 1

Grade: 9-11

Recommendation: Touch Systems Data Entry

This course is designed for students who may be interested in a career in business, or want to have a better understanding of the business world, and its purpose in society. Students will gain a basic understanding of business, marketing, and finance and how their functions affect the local and global communities, through hands-on projects, and research methods, utilizing technology within and outside of class. Students will also be guided through career exploration using Career Cruising and other sources. In addition, students will gain knowledge on the steps involved in getting and maintaining a job.

### TOUCH SYSTEMS DATA ENTRY

Course: 79165100

Credits: .5

Grade: 9 - 10

Recommendation: None

Touch Systems Data Entry prepares students to operate the keyboard by touch and begin development of acceptable speed and accuracy levels. Formatting of basic documents is also included. The purpose of the keyboarding class is to teach the "touch" keyboarding skill, teach proper formatting of documents for personal and business use, give opportunities for students to apply their keyboarding skills in "real life" situations, and help students achieve their potential in keyboarding speed and accuracy.

### BUSINESS INFORMATION MANAGEMENT I

Course: 79165600

Credits: 1

Grade: 10-12

Recommendation: Principles of Business, Marketing, & Finance

BIM offers students a chance to gain vital computer application skills that will allow them to keep pace in our ever-evolving world of technology. The focus of this course is on the ethical business application of software including, word processing, spreadsheet, database, presentation software, and desktop publishing. Students will also be guided in responsible internet use, develop awareness for computer operations, and offers insight into new trends and advances in the world of technology. This course offers students an opportunity to develop marketable skills that will allow them to improve the quality of their schoolwork and compete in a competitive job market. Students will have the opportunity to earn Microsoft Office Specialist (MOS) Certification.

### BUSINESS INFORMATION MANAGEMENT II

Course: 79166600

Credits: 1

Grade: 10-12

Prerequisite: Business Information Management I

BIM II is designed for the advanced learner in business computer applications to challenge and sharpen the learner's computer skills. Students will apply technical skills addressing business applications of emerging technologies through using MS Office software. Instruction will include many advanced problem-solving skills such as merging word documents, creating word forms, creating Excel pivot tables and Access macros, exporting & importing data into Excel and Access, and customizing presentation options. Students will have the opportunity to earn Microsoft Office Specialist (MOS) Certification.

### BUSINESS LAW

Course: 79162600

Credits: 1

Grade: 11-12

Recommendation: Principles of Business, Marketing, & Finance

Business Law provides an insight into the evolution and development of laws that govern business in our society. Students will develop a clear understanding of their rights and duties within the business environment.

### BUSINESS MANAGEMENT

Course: 79163000

Credits: 1

Grade: 10-12

Recommendation: Principles of Business, Marketing, & Finance

Students will prepare for a rapidly evolving global business environment that requires flexibility and adaptability. The primary functions of management and leadership will be analyzed. Topics will incorporate social responsibility of business and industry. Students will develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent managers, employees, and entrepreneurs.

### VIRTUAL BUSINESS

Course: 79163100

Credits: 0.5

Grade: 11-12

Students study and explore the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. The steps needed to locate customers, set fees, and develop client contracts will be identified. Students will be able to provide administrative, creative, and technical

Recommendation: Principles of Business, Marketing, & Finance  
Touch Systems Data Entry

services using advanced technological modes of communication and data delivery. The student builds a functional website that incorporates the essentials of a virtual business.

### **GLOBAL BUSINESS**

Course: 79164600

Credits: 0.5

Grade: 11-12

Recommendation: Principles of Business, Marketing, & Finance  
Touch Systems Data Entry

Global Business is a course that allows students to understand international business operations and determine what is needed to be a successful employee in the international marketplace. The course examines business operations in the global market, how cultural differences affect social and managerial practices, how to generate domestic and international travel plans, employee rights and laws, business opportunities for working abroad, employability skills needed to be a successful employee in the international environment, how to exchange information electronically, how to market a business internationally, and how international business affects the domestic economy as well as the global economy.

### **PRACTICUM IN BUSINESS MANAGEMENT I**

### **EXTENDED PRACTICUM IN BUSINESS MANAGEMENT**

Course: 79168200

Credits: 3 total

Grade: 11-12

Prerequisite: Business  
Information Management II

This practicum is designed to give students supervised practical application of previously studied knowledge and skills in a paid or unpaid position in local businesses or organizations. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. In the classroom and at work, students apply technical skills to address business applications of emerging technologies. Students incorporate a broad base of knowledge that includes the legal, managerial, financial, and ethical dimensions of business to make appropriate business decision. Students will be gainfully employed for the entire school year. Applications and agreement must be completed and returned to the appropriate practicum coordinator.

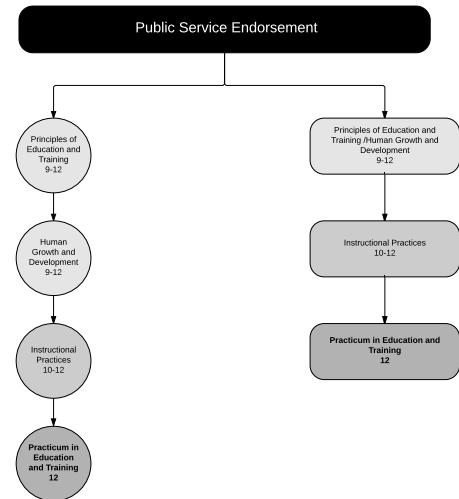
## EDUCATION & TRAINING

**ALL courses at the Career Centers are DOUBLE BLOCKED 2 hour classes. Courses in this cluster may satisfy the PUBLIC SERVICES ENDORSEMENT for the Foundation High School Program. Bus transportation provided to/from Career Centers from HS campuses.**



## Education and Training

This career cluster prepares students to have a lifelong impact on others by learning the art of teaching, planning, and administrative services. People in this industry can be teachers, superintendents, coaches, and counselors.



Light gray represents 1st year course in sequence.  
**Bolded** courses represent Advanced Level CTE course in sequence.  
 \*CTE course sequence in high demand.

### PRINCIPLES OF EDUCATION AND TRAINING

Course: 79752400 (campus)  
 89751300 (DJCC)

Credits: 1

Grade: 9-12

Recommendation: None

This course is designed to introduce learners to the various careers available within the Education and Training career cluster. Students use self-knowledge, educational, and career information to analyze various careers within the education field. This course is also offered at the Dale Jackson Career Center and must be paired with Human Growth and Development.

### HUMAN GROWTH AND DEVELOPMENT

Course: 79751700 (campus)  
 89751700 (DJCC)

Credits: 1

Grade: 9-12

Recommendation: Principles of Education and Training

This course is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social development milestones. This course must be paired with Principles of Education and Training if taken at Dale Jackson Career Center.

### INSTRUCTIONAL PRACTICES

Course: 79761400 (campus)  
 89751400 (DJCC)

Credits: 2

Grade: 10-12

Prerequisite: Human Growth and Development

This course is a field-based internship which provides students background knowledge of effective teaching practices. Students participate in activities at both their home campus and field site elementary school, or middle school. Students are involved in direct instruction as well as observations. Students must provide their own transportation to the field-site location. This course is offered at Dale Jackson Career Center as a double-blocked 2.0 credit course. Course fee may apply.

### PRACTICUM IN EDUCATION AND TRAINING

Course: 79761300 (campus)  
 89761300 (DJCC)

Credits: 2

Grade: 11-12

Prerequisite: Instructional Practices

This course provides students advance training in effective teaching practices. Students participate in activities at both their home campus and field site elementary or middle schools. Students are involved in direct instruction as well as observations. Students must provide their own transportation to the field-site location. This course is offered at Dale Jackson Career Center as a double-blocked 2.0 credit course.

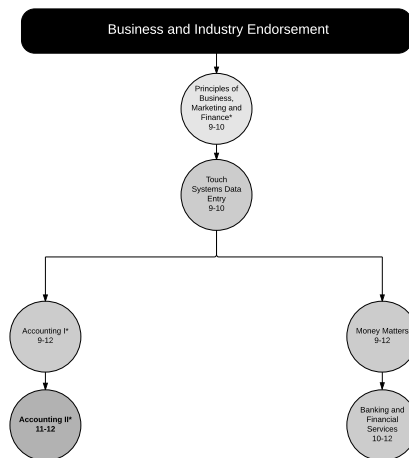
# FINANCE

All courses listed in this section are taught at the home campuses. Courses in this cluster may satisfy the **BUSINESS & INDUSTRY ENDORSEMENT** for the Foundation High School Program.



## Finance

This career cluster prepares students to work in financial planning, investment, and banking. People in this industry can be financial planners, accountants, loan officers, and budget analysts.



Light gray represents 1st year course in sequence.  
 Bolded courses represent Advanced Level CTE course in sequence.  
 \*CTE course sequence in high demand.

### **MONEY MATTERS**

Course: 79161100  
 Credits: 1  
 Grade: 10-12  
 Recommendation: Principles of Business, Marketing & Finance

This course prepares students to make sound financial decisions for life. Topics covered include saving money, investments, retirement, budgeting, debt, careers, taxes, insurance, and wise shopping. Videos by Dave Ramsey, quizzes, tests, and classroom activities will be used to develop a foundation on which to build their financial future.

### **BANKING AND FINANCIAL SERVICES**

Course: 79160600  
 Credits: 0.5  
 Grade: 10-12  
 Recommendation: Principles of Business, Marketing, & Finance

This course is designed to teach students the financial, economic, and social aspects of the business world. Topics include types of banks & financial institutions, bank income, money functions and supply, history of banking, federal reserve system, banking regulations, bank lending, checking and savings accounts, day-to-day bank activities, banking careers, and bank fraud.

### **ACCOUNTING I**

Course: 79161600  
 Credits: 1  
 Grade: 10-12  
 Recommendation: Principles of Business, Marketing, & Finance

This course is a comprehensive study of the accounting cycle and its relationship to our business and personal lives. Accounting cycles and methods from both sole proprietorship and merchandising are covered. All course material is online including textbook, application assignments and tests.

### **ACCOUNTING I - ONLINE**

Course: 79161690 (A)  
 79161790 (B)  
 Credits: 1  
 Grade: 10-12  
 Recommendation: Principles of Business, Marketing, & Finance

This course is a comprehensive study of the accounting cycle and its relationship to our business and personal lives. Accounting cycles and methods from both sole proprietorship and merchandising are covered. All course material is online including textbook, application assignments and tests. Instruction and content are delivered primarily over the Internet, and students may have opportunities to meet face-to-face for collaboration, group work and personalized instruction.

### **ACCOUNTING II**

79162100  
 Credits: 1  
 Grade: 11-12  
 Prerequisite: Accounting I

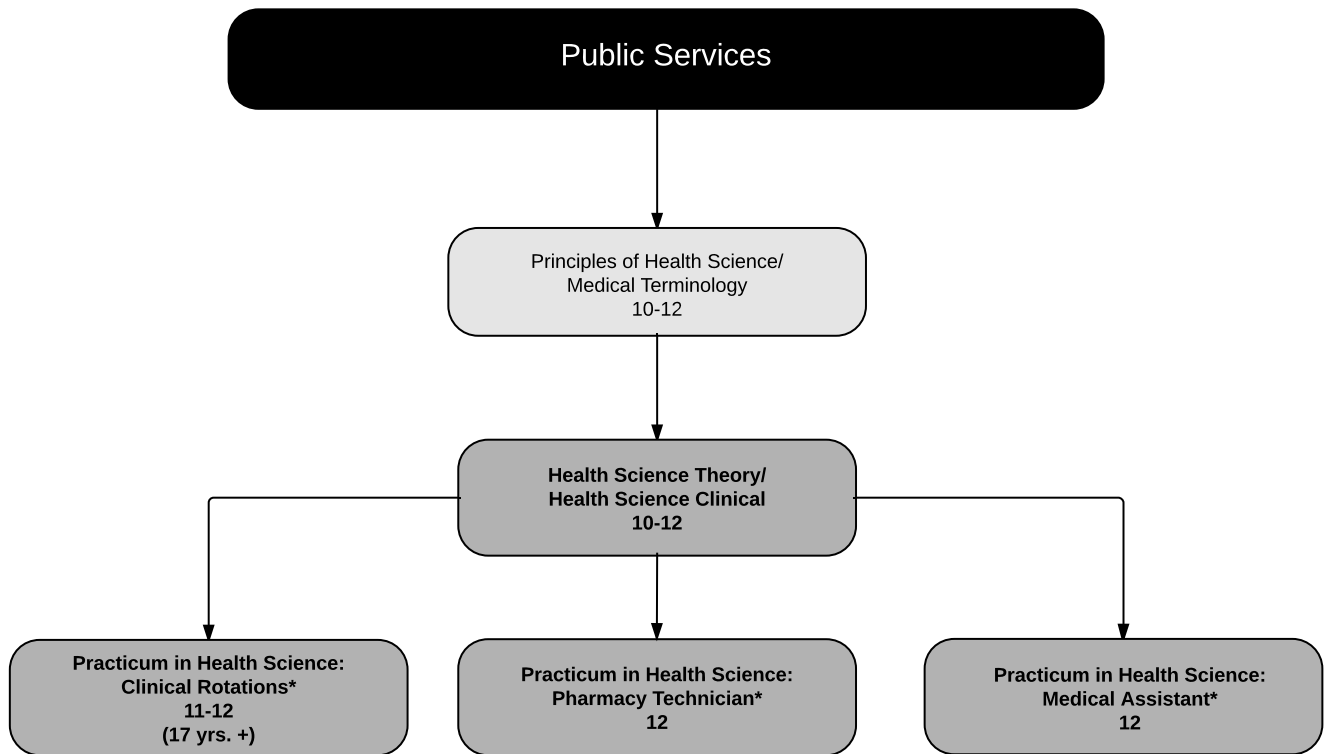
This course provides the student an opportunity to review and further develop the fundamental accounting principles using technology. The course helps students develop additional skills in applying principles used in accounting systems and methods commonly found in business. Not-for-profit manufacturing and managerial accounting principles are taught in this class along with reviewing and further developing skills in financial accounting.



Health Science

# Health Science

This career cluster prepares students for careers in 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, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.



Light gray represents 1st year course in sequence.

**Bolded** courses represent Advanced Level CTE course in sequence.

\*CTE course sequence in high demand.



## HEALTH SCIENCE

ALL courses at the Career Centers are DOUBLE BLOCKED 2 hour classes. Courses in this cluster may satisfy the PUBLIC SERVICES ENDORSEMENT for the Foundation High School Program. Bus transportation provided to/from Career Centers from HS campuses.

### PRINCIPLES OF HEALTH SCIENCE/ MEDICAL TERMINOLOGY

Course: 89813399/89813400  
Credits: 1 each  
Grade: 10-12  
Recommendation: Biology

**Offered at both Career Centers**

This course provides an overview of career exploration through systems of the healthcare industry. The course focuses on ethics, leadership, cultural diversity, communication skills and an introduction to medical math and research, with an emphasis on past and current healthcare trends. Additional topics include: public health, community education, nutrition, health and wellness across life stages and infection control. Employability skills are emphasized. Small group with cooperative peer interactions and presentation skills are necessary to be successful. **Scrubs required.** **This course must be paired with Medical Terminology.**

This course is a Latin and Greek language-based class that studies the structure of medical terminology. Emphasis is placed on root words, prefixes, suffixes, and combining forms as they apply to anatomy and physiology. Spelling and pronouncing the medical terms is required. Employability skills are emphasized. This is a fast-paced class that encourages collaborative, as well as independent learning. Requires good attendance and a motivated learner. **Scrubs required.** **This course must be paired with Principles of Health Science.**

### HEALTH SCIENCE CLINICAL/ HEALTH SCIENCE THEORY

Course: 89813000/89813200  
Credits: 1  
Grade: 10-12  
Prerequisite: Principles of Health Science, Medical Terminology

**Offered at Career Center East.**

This course provides application of concepts learned in Principles of Health Science and Medical Terminology. The student demonstrates professional integrity and applies the principles needed to identify and resolve medical issues and promote health and wellness within populations. The students will demonstrate skills required in the clinical setting, evaluate and employ ethical behavioral standards required to be effective and efficient in clinical settings. 20 hours of documented community service required. **Scrubs required.** **This course must be paired with Health Science Theory.**

This course provides application of concepts learned in Principles of Health Science and Medical Terminology. The student will demonstrate mastery of concepts re/to health and wellness, patient education, environmental health and epidemiology. Students will demonstrate professional integrity necessary to be effective in both clinical and non-clinical settings. Students will interpret complex technical material, apply mathematical skills appropriate to situations in a health-related environment. Industry expectations of professional conduct reinforced. **Scrubs Required.** **This course must be paired with Health Science Clinical. Offered at Career Center East.**

### PRACTICUM IN HEALTH SCIENCE (CLINICAL ROTATION)

Course: 89812600  
Credits: 2  
Grade: 11-12 and 17+  
Prerequisite: Principles of Health Science, Medical Terminology (If taken prior to 2017-18), Biology Health Science Clinical, Health Science Theory (If taken after 2017-18)

The Practicum in Health Science is designed to give students a practical application of previously studied knowledge and skills. This class is designed to follow in sequence for students who are interested in the field of healthcare and want to pursue a healthcare job. This course offers the opportunity to integrate, apply and be exposed to professions in a variety of settings. The clinical rotation portion of the class is observation based with some hands on experience occurring in the classroom.

Requirements:

A valid social security number (hospitals and outpatient centers will not take students without a number), Valid Driver's license

Pass a Background Check Free from felony convictions

Transportation to and from the rotation sites-busses are not provided

Current and Full immunizations including: Current Season Influenza, Yearly Tuberculosis Screening, Hepatitis B Series and all required childhood immunizations (MMR, Varicella, TDap) with written proof from physician or county health offices due first day of class.

A Negative Drug Screen Test

The ability to work in an environment with blood, bodily fluids, possible nudity and disease and possible death.

Materials/Supplies/Fees:

1. \$150.00 for class supplies.

2. Purchase of Scrubs, appropriate shoe-gear, name tag, immunizations and transportation are the student's responsibility.

**PRACTICUM IN HEALTH  
SCIENCE (PHARMACY  
TECHNICIAN)**

Course: 89812200

Credits: 2

Grade: 12

Prerequisite: Principles of Health Science, Medical Terminology (If taken prior to 2017-18), Biology Health Science Clinical, Health Science Theory (If taken after 2017-18)

Materials Required: Scrubs, Lab Coat, iPad

\$250 Course and Certification fees (Includes PTCE Certification, 10 Panel Drug Test, Instructional Materials, and Background Check)

\$250 National Sterile Products (IV) Certification (optional- allows students the opportunity to work in hospital & compounding facilities.)

\*Fees subject to changes

Transportation to externship sites (No district transportation provided)

Recommendation: Chemistry and Algebra 2

The Pharmacy Technician Program is a college level course with the objective to equip students with knowledge, technical skills, and employability skills required for an entry-level position in the pharmacy field or related area. Our teaching techniques encourage active student participation and may include group discussions and projects, laboratory work, simulations, demonstrations, field trips, guest speakers, and lectures. Students in this course are given the opportunity to participate in an unpaid externship program with local retail pharmacies in which they will work under the guidance of a Pharmacist. A strong emphasis is placed on ethics, accountability, professionalism, and the individual's commitment to pursue lifelong personal and professional development. In addition, students who successfully complete the course and graduate will have the opportunity to sit for the (PTCE) Pharmacy Technician Certification Exam following graduation. Note that not all fees are required up front. Many of these expenses, the fee required, will be paid at the time it comes due by the party requiring that fee.

***Student must register for and be licensed Pharmacy Technician Trainees with the State of Texas and provide proof of this registration the first day of class.  
Offered at Career Center East Only***

**PRACTICUM IN MEDICAL  
ASSISTING**

89813100

Credits: 2 credits

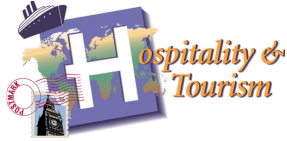
Grade: 12

Prerequisite: Principles of Health Science, Medical Terminology, Health Science Theory

Recommendation: Biology, Anatomy & Physiology, Scrubs and a Stethoscope

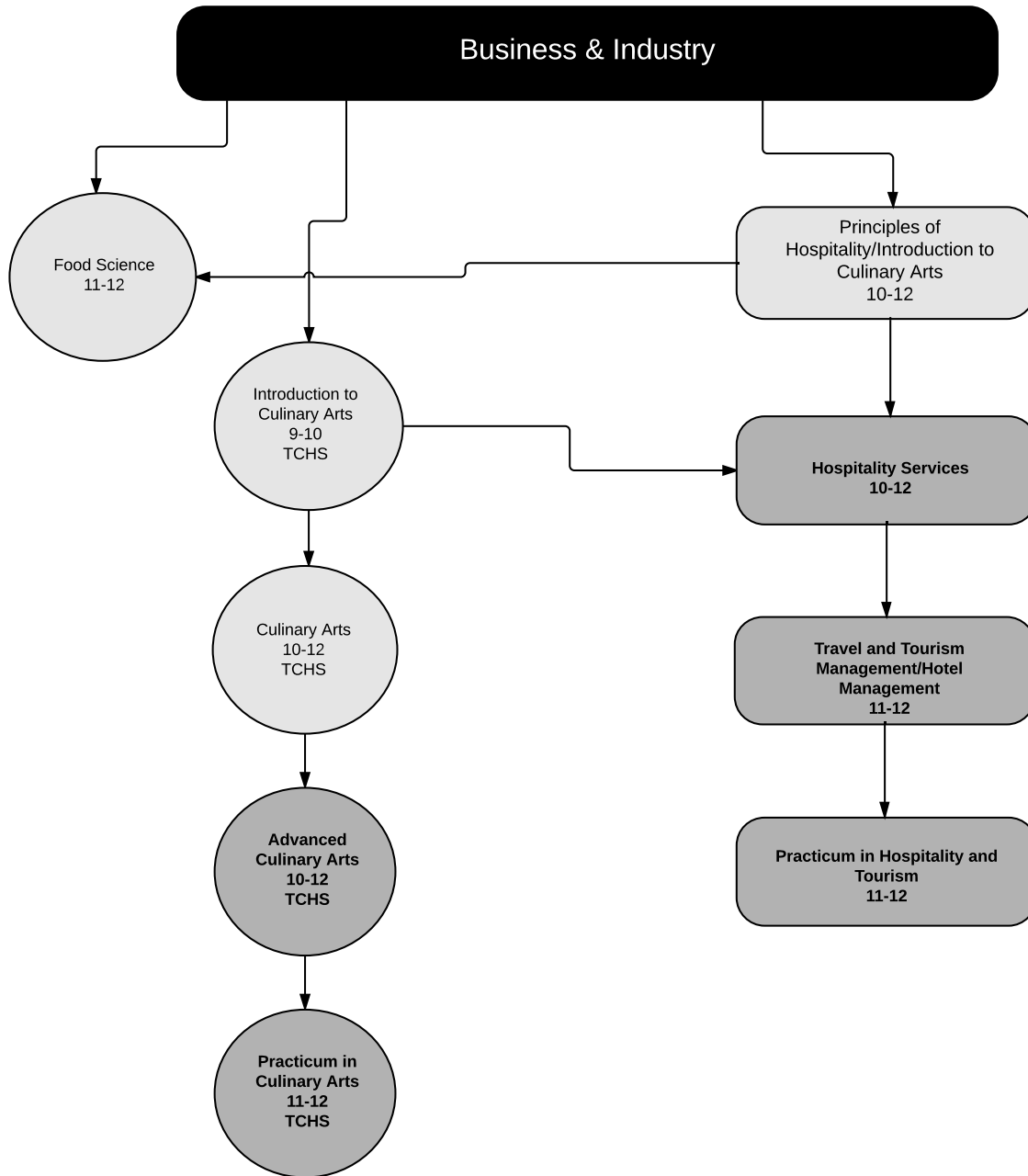
Students learn the Clinical and administrative skills necessary in today's healthcare industry. They will learn how to assist physicians with exams and various minor surgical procedures, they will learn how to collect vital signs, what is involved in practicing aseptic technique, they will learn how to interview patients for medical history, provide proper documentation, perform clinical procedures, use laboratory techniques, understand medical terminology and understand office procedures. Students will gain valuable knowledge to prepare them to handle both the clinical duties as well as administrative responsibilities in a variety of healthcare settings. All students will sit for the American Heart Association Healthcare Provider CPR certification exam. Students who successfully complete the course and are on track to graduate will have the opportunity to sit for the Medical Assistant Certification Exam offered by the National Healthcare Association (NHA). Offered at Dale Jackson Career Center Only.

**Course Requirements:** Students must be 17, seniors, and on track to graduate  
\$20 Materials Fee and CPR Certification  
\$65 Study Guide and Practice Test  
\$155 Certification Exam  
\$20 Miscellaneous Fee



# Hospitality & Tourism

This career cluster prepares students for employment in the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services. Students learn knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success in that industry.



Light gray represents 1st year course in sequence.  
**Bolded** courses represent Advanced Level CTE course in sequence.  
 \*CTE course sequence in high demand.

## HOSPITALITY & TOURISM

ALL courses at the Career Centers are DOUBLE BLOCKED 2 hour classes. Courses in this cluster may satisfy the BUSINESS & INDUSTRY ENDORSEMENT for the Foundation High School Program. Bus transportation provided to/from Career Centers from HS campuses.

### FOOD SCIENCE

Course: 79752600

Credits: 1

Grade: 11-12

GPA Level: 1

Recommendation: Three units of science including Biology and Chemistry

Students will investigate how food science is an integral part of our daily lives. Students will study how to convert raw agriculture or farm products to products found in supermarkets. Investigations are used to learn the components of raw product handling, analytical methods, food microbiology, food chemistry and food processing. Supply and material fees required. This course counts for Science credit.

### INTRODUCTION TO CULINARY ARTS

Course: 79753100 (TCHS)

Credits: 1

Grade: 9-10

Recommendation: None

This laboratory course will focus on the front-of-house portion of the hospitality and culinary industries with a beginner cooking segment. Students will learn how to succeed in a professional, fast paced environment. Students will work with upper-classmen to execute successful events while learning to ethically plan, organize, staff, lead, direct, and control food service operations. Students will be introduced to basic cooking building blocks and skills. A safety and sanitation certification will be offered. Class fees apply. Uniform is mandatory.

Course is only offered at The Colony High School.

### CULINARY ARTS

Course: 79757700

Credits: 2

Grade: 10-12

Prerequisite: Introduction to Culinary Arts

This laboratory course will address the fundamentals and principles of the art of cooking and the science of baking while introducing students to the culinary world and various types of service. Students will learn to scale recipes and practice professional attitudes and employability skills. A safety and sanitation certification will be offered. Class fees apply. Uniform and outside professional events are mandatory. Application must be pre-approved for enrollment.

Course is only offered at The Colony High School.

### ADVANCED CULINARY ARTS

Course: 79753200

Credits: 2

Grade: 10-12

Prerequisite: Culinary Arts

Course is only offered at The Colony High School.

This laboratory course will focus on back-of-house production and event management. Students will learn advanced cooking and baking techniques and apply those methods for various types of professional events. Professional management and employability skills will be practiced and discussed in depth. A safety and sanitation certification will be offered. Class fees apply. Uniform and outside professional events are mandatory. Application must be pre-approved for enrollment.

### PRACTICUM IN CULINARY ARTS

Course: 79758200

Credits: 2

Grade: 11-12

Prerequisite: Advanced Culinary Arts

This class combines classroom instruction with actual career experiences via approved employment, internship, and/or job shadowing. Students will learn to market, manage, and operate restaurants and other hospitality services. Students will learn to exercise extreme professionalism, and will analyze their work experiences and find areas of growth personally and professionally while creating a professional portfolio. Self-transportation and outside professional events are mandatory. Application must be pre-approved for enrollment.

Course is only offered at The Colony High School.

### PRINCIPLES OF HOSPITALITY AND TOURISM

#### INTRODUCTION TO CULINARY ARTS

Course 89759700 (DJCC)

89753100 (DJCC)

Credits: 1 each

Grade: 10-12

Course Fee: \$25 Uniform shirt

Prerequisite: Must be 16 years of age, black pants, black slip

Hospitality Services allows students to explore one of the most explosive and dynamic career paths available today and will open the door for college or entry-level industry positions. Careers in the hospitality industry include lodging, food and beverage, recreation, and travel and tourism. The curriculum provides an overview of the industry, customer relations, trends, employability skills, interpersonal skills, hotel and restaurant operations, and career opportunities. Trade schools, colleges and universities offering hospitality and culinary programs will be introduced. Course content will be delivered through class discussion, role plays, lecture presentations, internet research, guest speakers, and field trips. Professionalism, maturity, employability skills (i.e. positive attitude, appearance, grooming, work ethic, no behavior or discipline issues, regular attendance) and interpersonal skills (i.e. pleasant facial expressions, eye contact, friendliness) will be assessed in this course and will be expected or the student may be dismissed from the program.

resistant shoes, black dress socks, black belt & Principles of Hospitality and Tourism

Material and supply fees may be required. Offered at Dale Jackson Career Center Only.

This laboratory course will focus on the front-of-house portion of the hospitality and culinary industries. Students will learn how to succeed in a professional, fast paced environment. Students will work with upper-classmen to execute successful events while learning to ethically plan, organize, staff, lead, direct, and control food service operations. Class fees apply. Uniform is mandatory. Must be paired with Principles of Hospitality and Tourism if taken at DJCC.

### **HOSPITALITY SERVICES**

Course 89759600 (DJCC)

Credits: 2

Grade: 10-12

Course Fee: \$25 Uniform shirt

Recommendation or Prerequisite:

Must be 16 years of age, black pants, black slip resistant shoes, black dress socks, black belt & Principles of Hospitality and Tourism

Offered at Dale Jackson Career Center Only.

Hospitality Services allows students to explore one of the most explosive and dynamic career paths available today and will open the door for college or entry-level industry positions. Careers in the hospitality industry include lodging, food and beverage, recreation, and travel and tourism. The curriculum provides an overview of the industry, customer relations, trends, employability skills, interpersonal skills, hotel and restaurant operations, and career opportunities. Trade schools, colleges and universities offering hospitality and culinary programs will be introduced. Course content will be delivered through class discussion, role plays, lecture presentations, internet research, guest speakers, and field trips. Professionalism, maturity, employability skills (i.e. positive attitude, appearance, grooming, work ethic, no behavior or discipline issues, regular attendance) and interpersonal skills (i.e. pleasant facial expressions, eye contact, friendliness) will be assessed in this course and will be expected or the student may be dismissed from the program. Material and supply fees may be required.

### **TRAVEL & TOURISM MANAGEMENT**

#### **HOTEL MANAGEMENT**

Course 89759900 (DJCC)

89759500 (DJCC)

Credits: 1 each

Grade: 11-12

Course Fee: Uniform shirt

Recommendation or Prerequisite:

Must be 16 years of age, black pants, black slip resistant shoes, black dress socks, black belt & Principles of Hospitality and Tourism

Travel and Tourism Management incorporates management principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusement, attractions, and resorts. Employment qualifications and opportunities are also included in this course. The students will explore the importance of health, safety, and environmental systems in the travel and tourism industry as well as organizational performance and regulatory compliance

Hotel Management focuses on the knowledge and skills needed to pursue staff and management positions available in the hotel industry. This in-depth study of the lodging industry includes departments' with-in the hotel such as front desk, food & beverage, housekeeping, maintenance, human resources, and banquets. This course focuses on professional communication, leadership, management, human resources and technology with-in the industry. Students get a grasp on the understanding that personal success depends on personal effort with individual projects and group projects done in class.

### **PRACTICUM IN HOSPITALITY & TOURISM**

Course 89760100 (DJCC)

Credits: 2

Grade: 10-12

GPA Level: 1

Course Fee: Uniform shirt

Recommendation or Prerequisite:

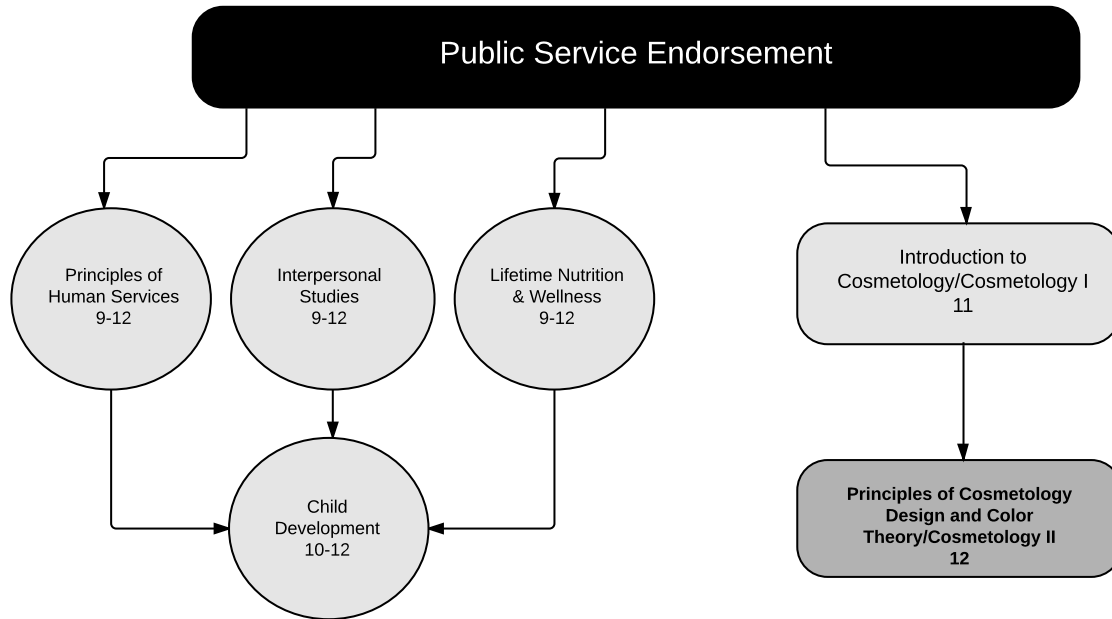
Must be 16 years of age, black pants, black slip resistant shoes, black dress socks, black belt & Principles of Hospitality and Tourism

Hospitality Services provides students with the academic and technical preparation to pursue high-demand and high-skill careers in the hospitality related industry. The knowledge and skills are acquired within a sequential, standards-based program that integrates hands-on and project-based instruction. Standards included in the Hospitality Services courses are designed to prepare students for nationally recognized industry certifications, postsecondary education, and entry-level careers. In addition, Hospitality Services is designed so that performance standards meet employer expectations, enhancing the employability of students. Instruction may be delivered through labs on campus, internships, mentoring, or job shadowing with-in the industry. Offered at Dale Jackson Career Center Only.



# Human Services

This career cluster prepares students 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.



○ Home Campus Course    □ Career Center Course

Light gray - 1st year course in sequence.  
**Bolded** courses represent Advanced Level CTE course in sequence.  
 \*CTE course sequence in high demand.

## HUMAN SERVICES

ALL courses at the Career Centers are DOUBLE BLOCKED 2 hour classes. Courses in this cluster may satisfy the PUBLIC SERVICES ENDORSEMENT for the Foundation High School Program. Bus transportation provided to/from Career Centers from HS campuses.

### PRINCIPLES OF HUMAN SERVICES

Course: 79760100

Credits: 1

Grade: 9-10

Recommendation: None

Students will participate collaboratively in learning activities to acquire knowledge and skills in effective communication, goal setting, healthy living, child development, family, community, and personal care services. Students will use various forms of technology to produce individual and group projects and presentations. Supply and materials fee may be required.

### INTERPERSONAL STUDIES

Course: 79754100

Credits: 0.5

Grade: 9-12

Recommendation: Principles of Human Services

This course provides opportunities for self-analysis and personal growth. Students examine how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and the potential to pursue careers related to counseling and mental health service.

### LIFETIME NUTRITION & WELLNESS

Course: 79722700

Credits: 0.5

Grade: 9-12

Recommendation: Principles of Human Services

This laboratory course addresses nutrition, food choices, and food management. Instruction includes food habits and wellness, menu planning, food costs and budgeting, consumer buying strategies, food safety and sanitation, and careers relating to the food industry, hospitality, human or health services. Supply and materials fee required.

### INTRODUCTION TO COSMETOLOGY

#### COSMETOLOGY I

Course: 89803200 (DJCC)/  
89813600 (DJCC)

89803243 (CCE)/ 89813643  
(CCE)

Credits: 4

Grade: 11

Recommendation: Principles of Business, Marketing, & Finance

- State ID Required
- Kit \$500 - \$250 due at orientation held at the end of the students Sophomore year
- \$250 due first day of their Junior school year.
- Uniform
- Materials fee will be assessed

**Offered at both Career Centers.**

### PRINCIPLES OF COSMETOLOGY DESIGN AND COLOR THEORY

#### COSMETOLOGY II

Course: 89814700 (DJCC)/  
89814700 (DJCC)

Students explore careers in the cosmetology industry. To prepare for success, students must have academic knowledge, technical knowledge, and skills relative to the industry. Students may begin earning TDLR clock hours. See Cosmetology I description for requirements. **Must be taken with Cosmetology I.**

Cosmetology I is a program geared towards students who are interested in obtaining a state operator's license to practice cosmetology in the state of Texas. In this curriculum students coordinate integration of academic, career and technical knowledge and skills in a laboratory instructional sequence course designed to provide job specific training for employment/ careers in the field of cosmetology.

Instructions includes infection control, sterilization, safety and sanitation procedures in relation to hair, nails, and skin care while meeting the Texas Department of licensing and Regulations (TDLR) requirements. This course is the first year of a two-year program that provides students with the skills and knowledge to pass the Texas Department Licensing and Regulations PSI Operators written and practical exams. Through sequential learning steps, the course provides specific tasks necessary for state board preparation and entry-level job skills. Students must be able to work independently and cooperatively in a clinical lab setting with an emphasis on personal safety, professionalism and proper sanitation procedures. All students must clock 132 hours each quarter. Students will be expected to earn 525 TDLR clock hours upon completion of Cosmetology I

Principles of Cosmetology Design and Color Theory is a prerequisite for Cosmetology II. Students will coordinate integration of academic, career, technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Students will attain academic skills and knowledge as well as technical skills related to cosmetology design and color theory. Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction

89814243 (CCE)/

89814743 (CCE)

Credits: 4

Grade: 12

Prerequisite: Cosmetology I  
(525 hours completed)

- License and Material fees of \$250 due by end of first week of instruction
- Uniform
- Lab fees will be assessed

**Offered at both Career Centers.**

includes sterilization and sanitation procedures, hair, nail, and skin care meeting the TDLR requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

Cosmetology II is a program for students who are expected to earn the state operator's license to practice cosmetology in the state of Texas. In this course, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; (TDLR) rules and regulations; use of tools, equipment, technologies, materials and practical skills including haircutting, styling, chemical texturizing, hair coloring, skin and nail services. This course is the second year of a two-year program that encompasses theories and principles of cosmetology. Upon completion students will have learned the skills and knowledge to pass the required Texas Department of Licensing and Regulations (TDLR) state board exam. Students must clock a total of 900 hours to be eligible for the written exam. Students must pass the written exam with a minimum of 70% and clock 1000 hours to be eligible to take the practical exam. Students that pass with a minimum of 70%, have received their high school diploma, and pay the required license fee to TDLR, will be licensed as Cosmetologist in the state of Texas.

#### **CHILD DEVELOPMENT**

Course: 79755100

Credits: 1

Grade: 10-12

Recommendation: Principles of Human Services

Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. These skills promote the well-being and healthy development of children. Investigate careers related to the care and education of children.

Supply and materials fee may be required.

#### **PARENTING EDUCATION FOR SCHOOL-AGE PARENTS I**

79755600

Credits: .5-1

Grade: 9-12

Prerequisite: LISD Parenting Students, Intake Application

This course is designed for male and female students who are expectant or current parents. Special emphasis is placed on prenatal care and development, postnatal care, infant care, child development, and parenting skills. Non Lewisville Learning Center Students will be dual enrolled when taking this a.m. accelerated elective at the Lewisville Learning Center (LLC). Bus service is provided from all high school campuses. Students already enrolled at LLC can add this to their existing schedule. For additional information contact Mireya Uery, School Age Parent Program Coordinator at 469-948-7615.

#### **PARENTING EDUCATION FOR SCHOOL-AGE PARENTS II**

79756100

Credits: .5-1

Grade: 9-12

Prerequisite: LISD Parenting Students, Parenting Education for School-age Parenting I

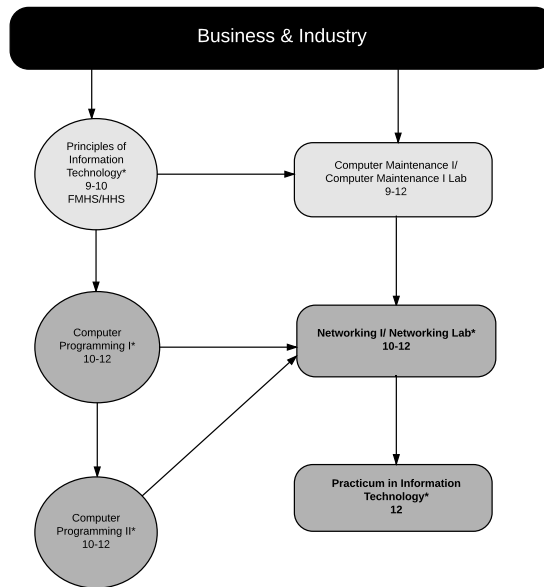
This course expands and reinforces skills taught in PESAP I with additional focus on child guidance, conflict resolution, healthy relationships, money management, employability skills, and responsible parenthood. Non Lewisville Learning Center Students will be dual enrolled when taking this a.m. accelerated elective at the Lewisville Learning Center (LLC). Bus service is provided from all high school campuses. Students already enrolled at LLC can add this to their existing schedule. For additional information contact Mireya Uery, School Age Parent Program Coordinator at 469-948- 7615.





## Information Technology

This career cluster prepares students for careers in building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.



Light gray represents 1st year course in sequence.  
 Bolded courses represent Advanced Level CTE course in sequence.  
 \*CTE course sequence in high demand.

## INFORMATION TECHNOLOGY

ALL courses at the Career Centers are DOUBLE BLOCKED 2 hour classes. Courses in this cluster may satisfy the BUSINESS & INDUSTRY ENDORSEMENT for the Foundation High School Program. Bus transportation provided to/from Career Centers from HS campuses.

### PRINCIPLES OF INFORMATION TECHNOLOGY

Course: 79773100

Credits: 1

Grade: 9-10

Recommendation: Touch Systems Data Entry

This course emphasizes the knowledge and skills associated with the basics of computer education and mobile devices. Students will use technology and software for word processing, spreadsheets, desktop publishing, and presentations.

### COMPUTER MAINTENANCE I & LAB

Course: 89808400/89808200 (Lab)

Credits: 1 each

Grade: 9-12

Recommendation: None

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. At the end of this course students will be able to take the CompTIA A+ Certification. CompTIA A+ certification validates foundation-level knowledge and skills necessary for a career in IT support. It is the starting point for a career. The international, vendor-neutral certification proves competence in areas such as installation, preventative maintenance, networking, security and

Offered at Dale Jackson only.

troubleshooting. Material and supply fees may be required.

### **COMPUTER PROGRAMMING I**

Course: 79167600

Credits: 1

Grade: 9-12

Prerequisite: Algebra 1

Recommended:

Touch Systems Data Entry

Computer Programming I provides an introduction to analytical problem solving activities and computer programming. Students will foster creativity and critical thinking skills by designing and implementing computer programs. Students will identify task requirements, plan algorithms and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. Students will gain the basic concepts and skills related to structured programming, Object-Oriented programming, and the fundamentals of the Java programming language.

### **COMPUTER PROGRAMMING II**

Course: 79167700

Credits: 1

Grade: 9-12

Prerequisite:

Computer Programming I

Computer Programming II fosters innovation and analytical skills by providing students the opportunity to design and implement computer programs through a variety of media. Students study advanced Object-Oriented programming concepts, with emphasis on programming methodologies, algorithms, and data structures. JAVA is the language used for completing the programming assignments. A strong math background is necessary. This course is designed for students who are interested in majoring in Engineering, Mathematics, Science or Computer Science in college.

### **DIGITAL MEDIA**

Course: 79169600

Credits: 1

Grade: 10-12

Recommendation: Touch Systems Data Entry, Principles of Information Technology

Digital media is a creative, business oriented approach to graphics arts, computer animation, video techniques, and web design. Students will learn to use advanced multimedia techniques to create, organize, manage, and present digital information in a variety of medias. Upon successful completion of this course, students will be proficient in using industry standard software and hardware, efficiently managing and presenting information, comfortably presenting projects to small groups as well as planning, designing and creating multimedia projects successfully in both team and individual environments.

### **WEB TECHNOLOGIES**

Course: 79830600

Credits: 1

Grade: 9-12

Recommendation: Touch Systems Data Entry, Principles of Information Technology

This course provides opportunity to learn about the hardware, software, and connectivity of networks associated with the World Wide Web. Students will create web pages using HTML and graphics software. Students will use digital cameras and scanners to create web page graphics. Students will use the Internet as a research tool.

### **NETWORKING I (COMPTIA NETWORK +) & LAB**

Course: 89814100/89808300 (lab)

Credits: 1 each

Grade: 10-12

Recommendation: Computer Maintenance

**Offered at Dale Jackson Only**

This course is designed to prepare the student for successful completion of CompTIA Network+ curriculum, and to take the Network+ certification exam which shows industry that you have basic competency in the physical support of networking systems and knowledge of the conceptual aspects of networking. Network+ Certification is an industry-wide, vendor-neutral certification program developed and supported by the Computer Technology Industry Association (CompTIA). Material and supply fees may be required.

### **PRACTICUM IN INFORMATION TECHNOLOGY**

Course: 89830600

Credits: 2

Grade: 12

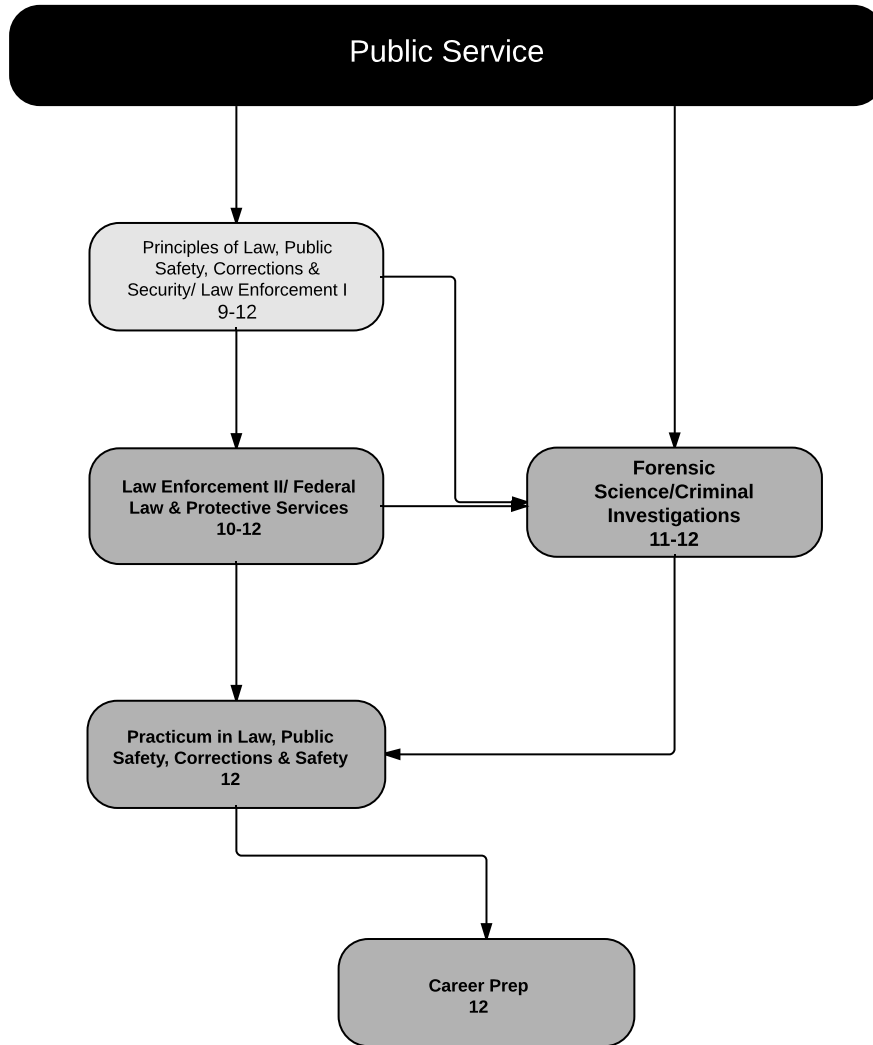
Prerequisite: 2 courses from the Information Technology cluster

Students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems.



# Law, Public Safety, Corrections, & Security

This career cluster prepares students for careers in 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 protective agencies of fire and emergency services.



Light gray represents 1st year course in sequence.  
**Bolded** courses represent Advanced Level CTE course in sequence.  
 \*CTE course sequence in high demand.

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**PRINCIPLES OF LAW,  
PUBLIC SAFETY,  
CORRECTIONS, AND  
SECURITY**

**LAW ENFORCEMENT I**

Course:  
89805800/89805643  
Credits: 1 each  
Grade: 9-12  
Recommendation: None

Fees: \$30 class shirt  
CPR certification \$17  
Athletic Physical  
Required Uniform  
(Polo style shirt)

**Offered at the Career  
Center East Only**

Principles of Law, Public Safety, Corrections, and Security is a course that 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. Guest speakers from various agencies will share their experiences and provide insight into careers in law enforcement and emergency management services. Students will earn CPR certification (American Heart Association). Must be taken with Law Enforcement I. Offered at Career Center East and Dale Jackson Career Center.

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This basic course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime. Topics in this course include a brief overview of criminal law, legal systems, arrest procedures, conflict resolution, use of force, active shooter, security planning, interview/interrogation and substance abuse. Students will be required to debate, work in groups, make numerous presentations and participate in role playing. CPR Certification through American Heart Association. Active shooter response certification through FEMA and ALERRT. Students will be required to participate in regular physical activities to simulate the hiring process such as running, pushups, and sit-ups. Athletic Physical Required. Fees and physical due by 1st week of class. Uniform will be required by end of 1st week of class (Polo style shirt).

**LAW ENFORCEMENT II**

**FEDERAL LAW &  
PROTECTIVE SERVICES**

Course:  
89804900/89806300  
Credits: 1 each  
Grade: 10-12  
GPA Level:  
Prerequisite: Principals  
of Law, Public Safety,  
Corrections and  
Security and Law  
Enforcement I

Law Enforcement II is an advanced course in the Law, Public Safety, Corrections and Security Cluster. This course provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will learn the ethical and legal responsibilities involved in a career in law enforcement. Students will practice search and seizure techniques, vehicle searches, arrest procedures, fingerprinting and a brief defensive tactics overview. Students will learn and practice undercover policies, use of deadly force policy, and interview techniques. The students will use the mock court room and practice testimony and courtroom procedures. Students will make numerous presentations, work in small groups and participate in role playing activities. Material and supply fees may be required. Students will be required to purchase a uniform for this class. Students will be required to participate in regular physical activities to simulate the hiring process such as running, pushups, and sit-ups. Athletic physical required.

This course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information, to ensure computer security, to provide information assurance, and to prevent.

**FORENSIC SCIENCE**

**CRIMINAL  
INVESTIGATIONS**

Course:  
89805100/89806200  
Credits: 1 each  
Grade: 11-12  
GPA Level: 1 (for  
Forensic Science only)  
Prerequisite: Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene investigation, questioning, criminal behavior characteristics, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, trace evidence collection, ballistics, body fluid collection, and blood spatter analysis. Students will learn the history, legal aspects, and career options available in forensic science. A \$30.00 material and supply fees is required. Students may also be assessed a fee for field trips.

Students will learn procedures on how to investigate crimes, write search warrants and narrative reports. Students will develop an understanding of how the fourth

amendment applies to crime scene investigation. Students will analyze, collect and process evidence, such as fingerprints, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, as well as several other types of evidence. Teamwork and public speaking are required. A sports physical is required for this course.

**FIREFIGHTER I DUAL  
CREDIT  
FIREFIGHTER II DUAL  
CREDIT**

Grade: 11 (FF I)  
12 (FF II)

Recommendation or  
Prerequisite: Principles  
of Law, Public Safety,  
Corrections, and Security

Enroll in NCTC  
Pass Drug Test

Firefighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety.

This course is the first year of a two commitment to the Lewisville ISD Firefighter program. This is a dual credit course conducted in cooperation with North Central Texas College and the Lewisville Fire Department. During the two years, students will receive the training necessary to sit for the exam to become a Texas Certified Firefighter. Instruction will consist of classroom and field experiences. LISD students entering their Junior year are eligible but, enrollment is limited. **This course will be offered at Lewisville HS. Students not attending LHS will be required to provide their own reliable transportation.**

This course is the second year of a two-year commitment to the Lewisville ISD Firefighter Program. It is a continuation of Firefighter I.

**PRACTICUM IN LAW,  
PUBLIC SAFETY,  
CORRECTIONS &  
SECURITY**

Course: 89805200

Credits: 2

Grade: 12

GPA Level:

Prerequisite: Law  
Enforcement II or  
Forensic Science

**Offered at the Dale  
Jackson Career  
Center Only**

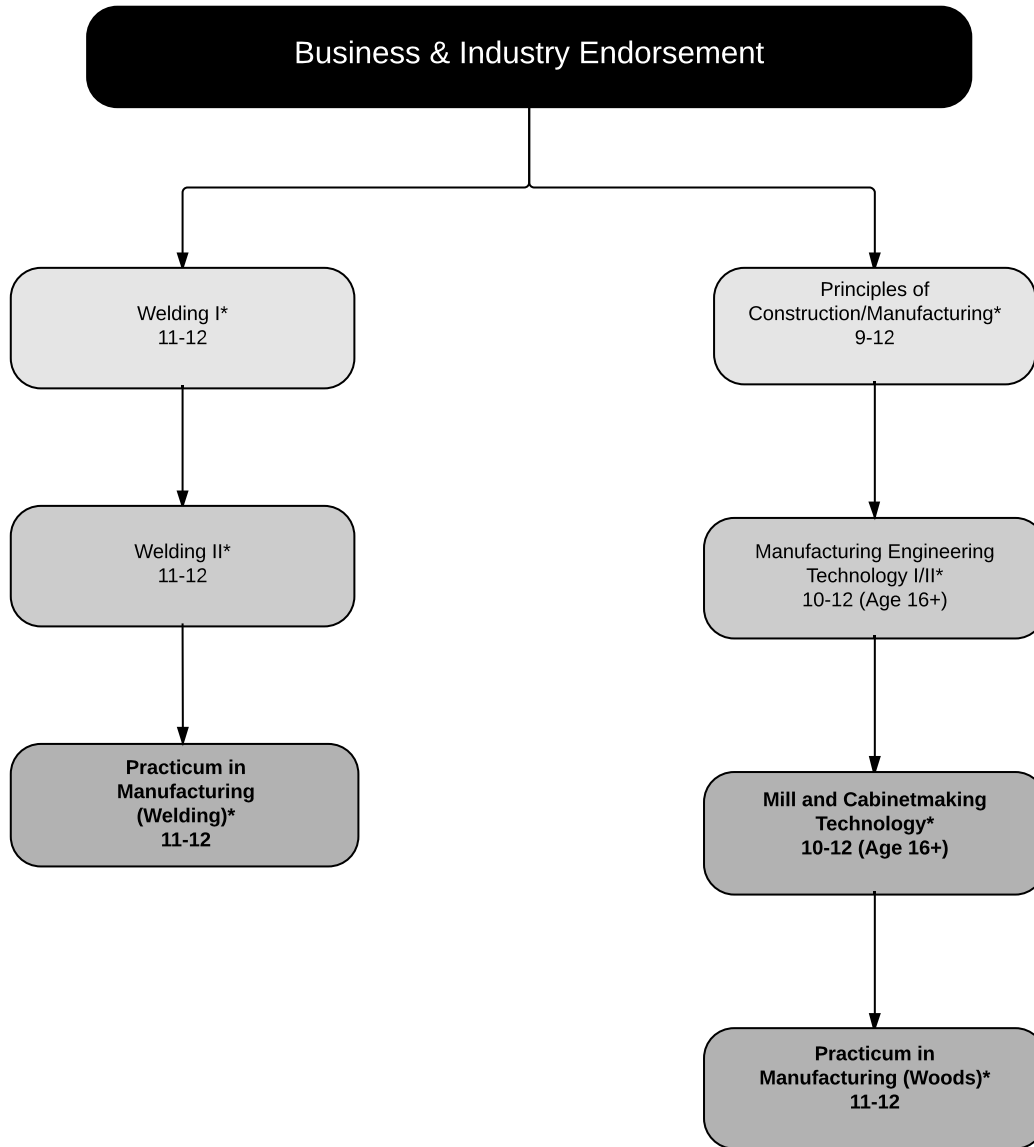
Fees: \$20.00 for drug screening  
Uniform cost required

Students will be required to have reliable transportation to and from rotation sites. Students will also have to pass a sport physical prior to the class. A fee of approximately \$20.00 for a mandatory drug screening will be assessed and testing will be completed on site. Parent/Guardian meeting will be required in advance of student participation. This course will allow advanced students in the Pre-Law cluster to intern within the Law Enforcement, Crime/Death Investigation, Court or Legal service providers in Denton, Tarrant, and Dallas County. Community placement will vary and rotation may be required to allow a well-rounded experience. Students must meet strict guidelines that govern community placement and placement is not a guarantee. All placements will be based upon DJCC Law Enforcement instructors' recommendations or approval and the student having their own reliable transportation. Activities may require additional time outside of the school day.



# Manufacturing

This career cluster prepares students for careers in designing, architecture, building, and building maintenance. People in this industry can be Architects, Drafters, Construction Managers, Carpenters, and Cost Estimators.



Light gray represents 1st year course in sequence.  
**Bolded** courses represent Advanced Level CTE course in sequence.  
\*CTE course sequence in high demand.

## MANUFACTURING

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### WELDING I

Course: 89821900  
Credits: 2  
Grade: 11-12  
GPA Level:  
Recommendation: Principles of Manufacturing

This pre-employment laboratory course is designed to introduce basic skills in structural welding. Introduction to the basic processes (Stick, Mig, and Tig) welding as well as cutting with Oxy/Acetylene and Plasma rigs will be presented in the class (theory) and the shop (practical). Safety, work ethic and career opportunities will be covered. A welding hood, safety glasses, cutting glasses and gloves will need to be purchased. Material and supply fees may be required. The emphasis for this class is working in the shop. **There may be dual credit options available for Welding I and Welding II and Practicum in Manufacturing. Contact the Dale Jackson counselor for more information. [www.djcc.lisd.net](http://www.djcc.lisd.net)**

### WELDING II

Course: 89820100  
Credits: 2  
Grade: 11-12  
Prerequisite: Welding I

This advanced course in structural welding stresses both individual projects and group work. Instruction includes welding theory, metallurgy, and blueprint reading. A welding hood, safety glasses, cutting glasses and gloves will need to be purchased. Articulation credit is available to several colleges and trade schools local, state and national as well as the International Association of Bridge, Structural, Ornamental and Reinforcing Iron Workers (Local #263). The emphasis for this class is working in the shop. Students will complete and be issued a 10 hour OSHA safety certification issued by U.S. Dept. of Labor. Material and supply fees may be required.

### PRACTICUM IN MANUFACTURING (WELDING)

Course: 89811200  
Credits: 2  
Grade: 11-12  
Prerequisite: Welding II

This project-based learning experience is developed by a student or group of students and an interdisciplinary mentor team. This project provides opportunities for an in-depth study of at least one aspect of an industry in the trade and industrial program area. The student or group demonstrates the ability to utilize a variety of resources, advanced technology, and communication skills in the development and presentation of a project. Material and supply fees may be required.

### PRINCIPLES OF MANUFACTURING

### PRINCIPLES OF CONSTRUCTION

Course: 89820200/89182000  
Credits: 1 each  
Grade: 9-12  
Prerequisite: Principles of Construction

Principles of Manufacturing provides an overview to the various sectors found in manufacturing. This includes product design, Laser engraving, CNC Machining, Vacuum forming, engineering, and product management. This is a technical course that enhances the understanding of various materials, processes, and products. Experiences include safety and instruction of tools and machines associated with manufacturing.

Principles of Construction provides an overview to the various fields of architecture, interior design, construction science, and construction technology. 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. This exploratory course addresses the knowledge and skills important in woodworking industry. Students study common manufacturing tools, machines, materials and processes in a laboratory setting. After completing core projects, students have the opportunity to build individual projects with approval of the instructor. Students wishing to build a project are expected to pay for all materials.

### MANUFACTURING ENGINEERING TECHNOLOGY I

### MANUFACTURING ENGINEERING TECHNOLOGY II

Course: 89820300/89820400  
Credits: 1 each  
Grade: 10-12 or Age 16+  
Prerequisite: Principles of Manufacturing

These two classes are particularly helpful for students who have AutoCAD experience that would like to combine it with hands on experience to prepare for a postsecondary degree or to be more competitive in the job market. In the first nine weeks students will complete and be issued a 10hr OSHA (Occupational Safety and Health Administration) safety card which is issued to them by the U.S. Department of Labor and good for the rest of their lives. Materials studied may include polymers, adhesives, woods, and sheet goods. Mathematical and scientific concepts are stressed as students study various processes used for transforming materials into products such as computer stations, desks, entertainment centers, and tables, etc. Students study the design of products, quality control, and design of production tooling, machine tool setups, and manufacturing systems. Students wishing to build projects are expected to pay for all materials.

### PRACTICUM IN MANUFACTURING (WOODS)

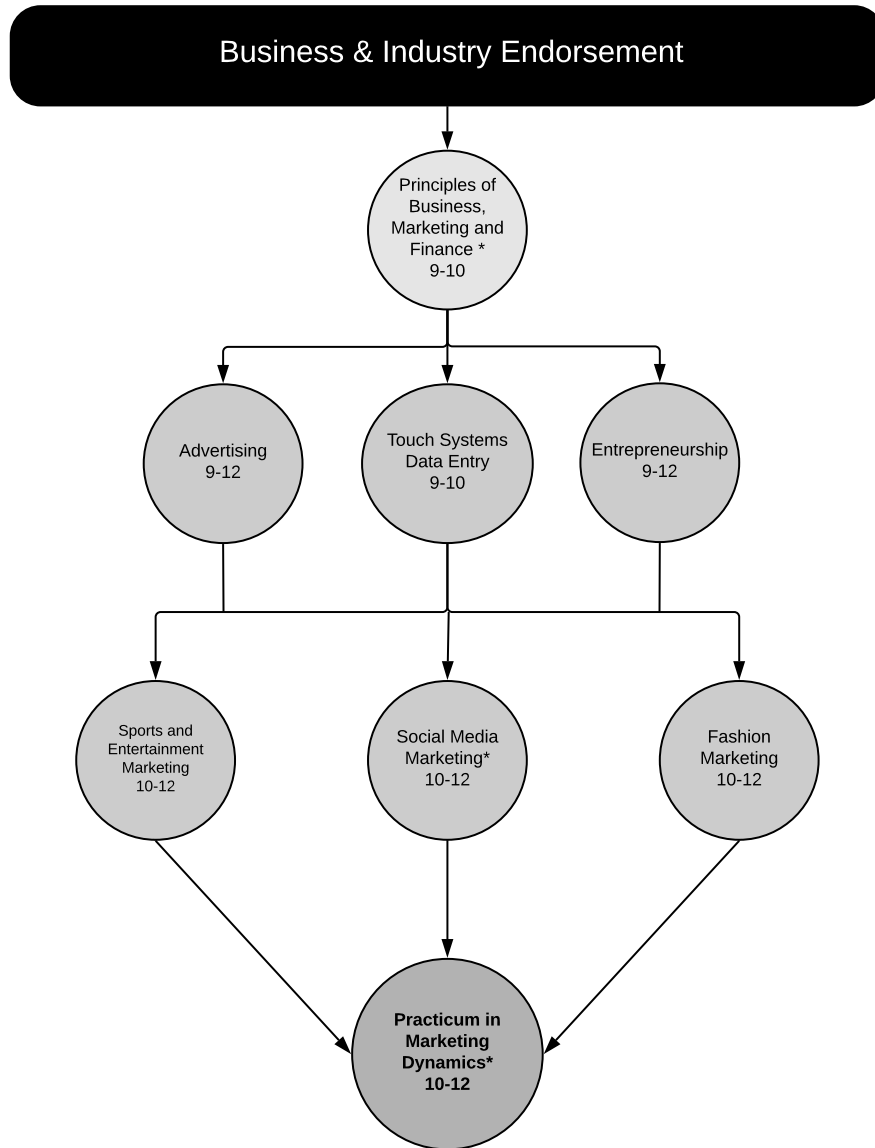
Course: 89820600  
Credits: 2  
Grade: 11-12  
Prerequisite: Mill & Cabinet Technology

Must have own transportation to work-based learning site. This is a lab based study that develops the essential knowledge and skills through a learning experience that is developed by the student and teacher. This training plan provides opportunities for an in-depth study of at least one aspect of the industry. Topics common to this study include safety, leadership, entrepreneurship, work ethics, career opportunities, and job acquisition skills. The student will demonstrate the ability to utilize a variety of resources, advanced technology, and communication found in the work place.



# Marketing

This career cluster prepares students to market and sell products and services to consumers. People in this industry can be advertising and promotion managers, public relations specialists, online merchants, and market research analysts.



Home Campus Course     Career Center Course  
 Light gray - 1st year course in sequence.  
**Bolded** courses represent Advanced Level CTE course in sequence.  
 \*CTE course sequence in high demand.



## MARKETING

Courses in this cluster may satisfy the BUSINESS & INDUSTRY ENDORSEMENT for the Foundation High School Program.

### PRINCIPLES OF BUSINESS, MARKETING & FINANCE

79170000

Credits: 1

Grade: 9-11

GPA Level:

Recommendation: None

This course is designed for students who may be interested in a career in business, or want to have a better understanding of the business world, and its purpose in society. Students will gain a basic understanding of business, marketing, and finance and how their functions affect the local and global communities, through hands-on projects, and research methods, utilizing technology within and outside of class. Students will also be guided through career exploration using Career Cruising and other sources. In addition, students will gain knowledge on the steps involved in getting and maintaining a job.

### ADVERTISING

79780200

Credits: 0.5

Grade: 11-12

GPA Level:

Recommendation: Principles of Business, Marketing, & Finance

Everybody recognizes the Nike “swoosh” and McDonald’s “golden arches”. In Advertising, you’ll take a walk through the “advertising business” and learn to create advertisements with style. Advertising focuses on the concepts and skills associated with the dynamic advertising industry. Students will analyze the goals and objectives of advertising and identify, critique, and develop ads. Membership in DECA is highly recommended.

### FASHION MARKETING

79780700

Credits: 0.5

Grade: 10-12

GPA Level:

Recommendation: Principles of Business, Marketing, & Finance, Fashion Design

Fashion Marketing is designed to provide students with knowledge of various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of textiles, fashion promotion, visual merchandising, selling, and career opportunities.

### ENTREPRENEURSHIP

79780600

Credits: 1

Grade: 10-12

GPA Level:

Recommendation: Principles of Business, Marketing, & Finance

Do you have the right stuff to be a successful business owner? In Entrepreneurship you will learn to plan, design, and start a profitable business venture. Students will gain skills in retail & marketing, salesmanship, business accounting, business communications, and develop their own business plan. Membership in DECA is highly recommended.

### SPORTS & ENTERTAINMENT MARKETING

79780800

Credits: .5

Grade: 10-12

GPA Level:

Recommendation: Principles of Business, Marketing, & Finance

This course will take the student on a step-by-step journey through the world of Sports and Entertainment Marketing. The course will cover the basic marketing of college, amateur, and professional sports as well as marketing products and services in the world of entertainment. Careers in Sports and Entertainment industries will also be explored. Membership in DECA is highly recommended. Lab fees required.

### SOCIAL MEDIA MARKETING

79780300

Credits: .5

Grade: 10-12

GPA Level:

Recommendation: Principles of Business, Marketing

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 manage a successful social media presence for an organization; understand techniques, for gaining customer and 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.

### ADVANCED MARKETING

79171200

Credits: 2

Grade: 11-12

GPA Level:

Prerequisite: 1 credit in the Marketing Cluster, Application &

In Advanced Marketing, students will gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to solve problems within the areas of marketing, business management and administration, entrepreneurship, finance or hospitality & tourism. This co-curricular course is aligned with the DECA student organization.

Teacher Approval  
Recommendation: Principles of  
Business, Marketing, & Finance

**PRACTICUM IN MARKETING  
EXTENDED PRACTICUM**

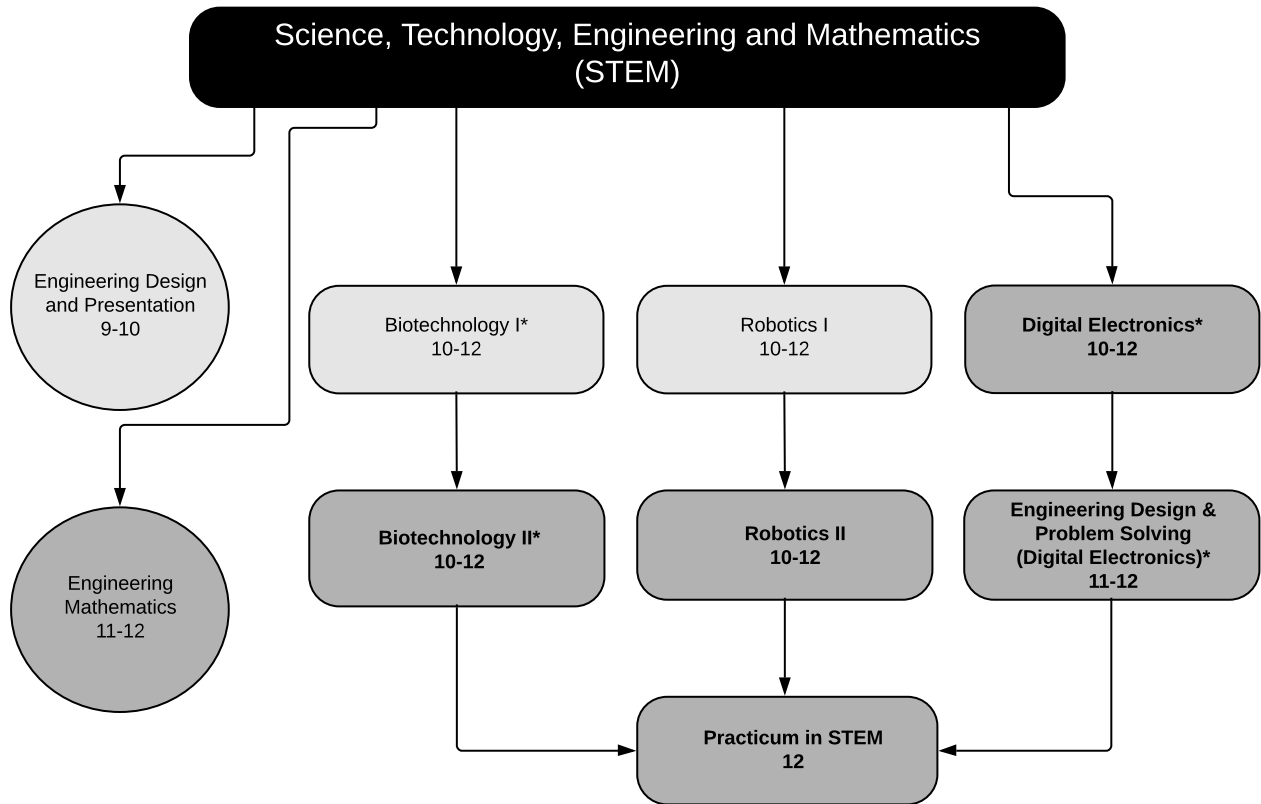
Course: 79781600  
79780900 (Extended)  
Credits: 2 State + 1 Local  
1 (Extended)  
Grade: 11-12  
GPA Level:  
Prerequisite: Must be at least 16  
at the beginning of year,  
Recommendation: Principles of  
Business, Marketing

This course consists of in-class instruction as well as early release for on-the-job training. Students are required to hold gainful employment for 15 hours a week for the entire school year. Students will learn how marketing decisions are made and the steps involved in the marketing process. Students will also learn various marketing strategies that businesses use to create and promote products, satisfy customers, and make a profit. In addition to these marketing concepts, students will learn how to understand economic foundations that are essential to knowing where, when, why and how to get goods and services into the hands of consumers. Students will learn the skills necessary to market yourself in today's competitive work force. Membership in the marketing student leadership organization (DECA) is highly recommended. When taking Extended Practicum, it must be taken with Practicum in Marketing.



# Science, Technology, Engineering & Mathematics

This career cluster prepares students for careers in planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.



○ Home Campus Course    □ Career Center Course

Light gray - 1st year course in sequence.

**Bolded** courses represent Advanced Level CTE course in sequence.

\*CTE course sequence in high demand.

## SCIENCE, TECHNOLOGY, ENGINEERING, MATH (STEM)

ALL courses at the Career Centers are DOUBLE BLOCKED 2 hour classes. Courses in this cluster may satisfy the BUSINESS & INDUSTRY ENDORSEMENT for the Foundation High School Program. Bus transportation provided to/from Career Centers from HS campuses.

### ENGINEERING DESIGN & PRESENTATION

79770600

Credits: 1

Grade: 9-10

Recommendation: None

This is a technical course with an emphasis in using drafting equipment and engineering design software as tools in preparing pictorial representations, 3-D working models in addition to detailed assembly drawings. Industry-standard software design packages that are used include programs created by Autodesk. Student experience in engineering graphics includes technical illustration techniques, desktop publishing, computer presentations, inventing, and prototyping. This course does NOT meet science requirements for graduation.

### ENGINEERING MATH

79810700

Credits: 1

Grade: 11-12

GPA Level: 1

Prerequisite: Algebra II

In Engineering Math, students continue to grow their knowledge of robotics by expanding the use of mathematical methods and models to represent and analyze problems involving data acquisition, electrical measurements, manufacturing process, and computer aided design. Students engage in skill development and hands-on activities at least 40% of the time. This course counts as a math credit.

### BIOTECHNOLOGY I BIOTECHNOLOGY II

89771900/89772000

Credits: 1 each

Grade: 11-12

Prerequisite: Biology, Chemistry

Offered at Career Center East only

An introduction to the field of biotechnology including applications of biotechnology in molecular biology, biochemistry, research, bioethics, and laboratory practices in a safe, regulated environment. The course is supplemented with exciting hands-on laboratory exercises, and real-world research and industry applications which enable the student to master basic skills needed for working in a biotechnology lab. These skills include: selecting and using appropriate lab equipment; preparing concentration, stock, and molarity solutions; safe handling of hazardous material; nucleic acid isolation; and analysis using restriction enzymes (electrophoresis).

Biotechnology I Continues the work from Biotechnology I by exploring recombinant DNA, PCR, and ELISA. Application emphasis moves to the study of proteins. The course concludes with a preparation for the Biotechnician Assistant Credentialing Exam (BACE). The BACE is an industry-recognized exam designed to assess core skills and knowledge sets identified by the biotechnology industry. This certification prepares as student for entry level biotechnology work in industry or in a university laboratory.

### DIGITAL ENGINEERING DESIGN AND PROBLEM SOLVING

#### DIGITAL ELECTRONICS

Course: 89810900/89810300

Credits: 1 each

Grade: 11 - 12

Prerequisite: Algebra I, Geometry

Recommendation: Physics

Offered at Career Center East only

An exploration of how engineering works in industry with special emphasis on software development and engineering design process. LabVIEW, the primary engineering programming language, is introduced and students prepare for the Certified LabVIEW Associate Developers (CLAD) test. This is a college or professional level exam that enhances employment opportunities in engineering.

An introduction to analog and digital electronics. Students use standard notation and learn the logic of circuit design and logic gates. Families of logic design including AND-OR-Invert, NAND and NOR Logic, and combinational logic systems are used to build lab experiments. All engineering students at the university learn basic digital electronics. This course is preparation for that class. Digital Electronics is designated as an Advanced Course by the Texas State Board of Education.

### ROBOTICS I ROBOTICS II

Course: 89775100/89775200

Credits: 1 each

Grade: 10 - 12

Recommendation or Prerequisite:

Co-enrollment with or completion of Algebra II

Offered at Career Center East only

An introduction to working with computer-controlled devices and software development. Students use the engineering design process to create prototypes, and to test, analyze, and improve designs. The focus is on basic robot construction and programming for robotic control. This is a project-based environment that requires students to build prototypes or use simulation software to test designs. Integrating sensors for closed feedback loops and automated decision making is emphasized. Students develop critical thinking and communication skills by analyzing and presenting results using Google tools.

Robotics I continues the work from Robotics I by expanding systems design to include data collection and analysis. Use of LabVIEW, the industry standard engineering design software, is emphasized and the software engineering process is used to design more complex products. Additionally, students explore career opportunities, employer expectations, and educational needs in the robotics industry.

### PRACTICUM IN STEM

Course: 89810800

Credits: 2

Grade: 11-12

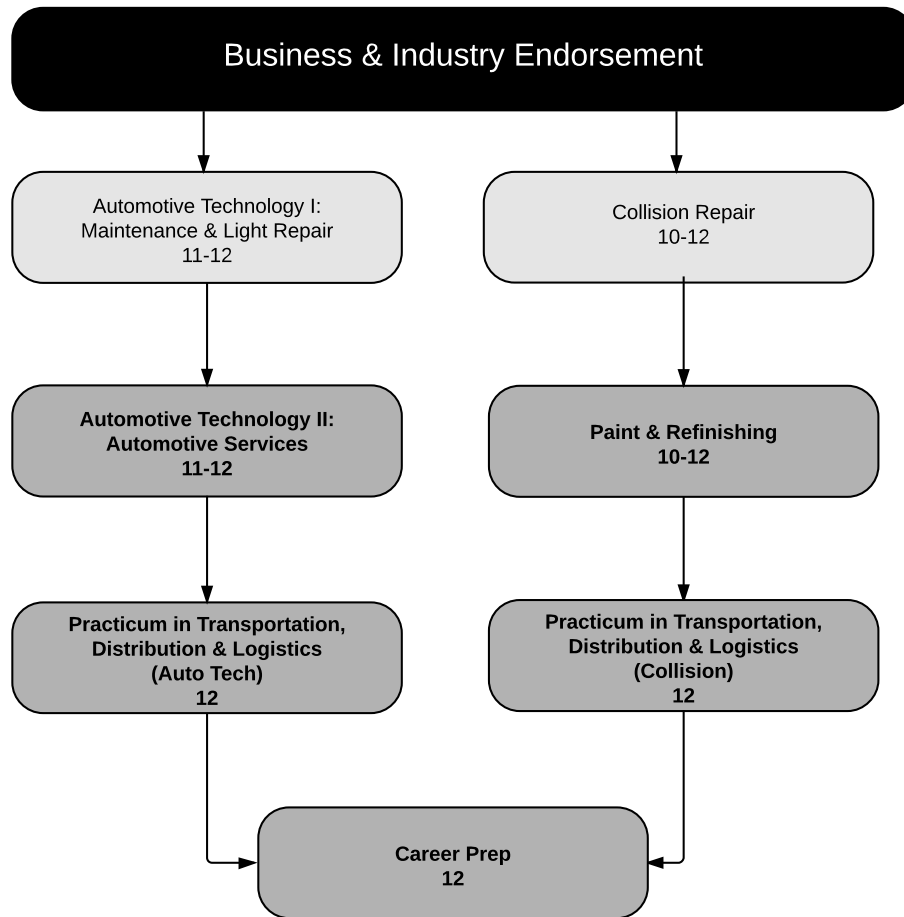
Prerequisite: Completed CCE STEM Course; Teacher recommendation required.

Provides students an opportunity for practical application of previously acquired knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Successful students are self-directed and can work independently. The desired outcome is a product that can be used for college acceptance, scholarships, or employment in the industry.



# Transportation, Distribution & Logistics

This career cluster prepares students for careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.



○ Home Campus Course    □ Career Center Course

Light gray - 1st year course in sequence.  
**Bolded** courses represent Advanced Level CTE course in sequence.  
 \*CTE course sequence in high demand.

## TRANSPORTATION, DISTRIBUTION & LOGISTICS

ALL courses at the Career Centers are DOUBLE BLOCKED 2 hour classes. Courses in this cluster may satisfy the BUSINESS & INDUSTRY ENDORSEMENT for the Foundation High School Program. Bus transportation provided to/from Career Centers from HS campuses.

### **AUTOMOTIVE TECHNOLOGY 1 – MAINTENANCE AND LIGHT REPAIR (NATEF)**

Course 89802600

Credits 2

Grade: 11-12

Recommendation: Algebra 1,  
Geometry, Chemistry, Physics or  
IPC

**Materials:** **Black** button up work shirt, **Black** “Dickies style” work pants, Z87 rated safety glasses

**Fees:** Lab fees - \$25, Student ASE Test - \$35

Automotive Technology I is a comprehensive course over the National Automotive Technicians Education Foundation (NATEF) Maintenance and Light Repair (MLR) accreditation program. Course subject material covers the basic theory and operation of vehicle Brakes: identifying the major components of the disc brakes, drum brakes, anti-locking brake systems, the machining of brake rotors and drums, Pascal’s law, basic principles of diagnosing the brake system, maintenance, service procedures and basic repairs. Steering and suspension: identifying the major components of the current steering and suspension systems used by manufacturers, mounting and balancing wheels and tires, four-wheel alignments, basic hydraulics, required maintenance and the basic principles of diagnosing steering and suspension. Electrical systems: basic theory of automotive electrical systems, Ohm’s Law, series and parallel circuits, general automotive electrical components, vehicle batteries, starting systems, charging systems, basic diagnostics and repairs. Engine Performance: basic theory and operation of fuel systems, ignition systems, four stroke theory, engine sensors, engine control modules, understanding drivability issues, on board diagnostics, and required maintenance and services. Students will be required to take the Student ASE Tests. Students will learn and follow strict automotive shop safety procedures. This course covers employability skills such as; professional dress, punctuality, how to behave in a professional environment, and job interview skills. The focus of this course is to prepare the student for an automotive technical school. Other material and supply fees may be required. **Offered at Career Center East only.**

### **AUTOMOTIVE TECHNOLOGY II – AUTOMOTIVE SERVICES (NATEF)**

Course: 89802700

Credits: 2

Grade: 11-12

GPA Level: 1

Prerequisite: Automotive  
Technology I

**Materials:** **Black** button up work shirt, **Black** “Dickies style” pants, Z87 rated safety glasses

**Fees:** \$35 ASE Test fee, \$25 Shop Materials and Supplies

Automotive Technology II is an advanced comprehensive course over the National Automotive Technicians Education Foundation (NATEF) Maintenance and Light Repair (MLR) accreditation program. Course subject material covers automotive components, theory, operation, troubleshooting and repair. The focus of this course is to expand on automotive system theory of operation, associated repair practices and problem solving skills learned in Automotive Technology I. Automotive instruction will include advanced knowledge of the system function and application of knowledge in Anti-Lock Brakes, Electrical Systems, Hybrid Vehicle Operation, Suspension and Steering, Air Conditioning, Electronic Suspension Systems, Engine Repair and Performance, Advanced Level Diagnostics and Drivability concerns. Instruction will also include the principles of properly diagnosing and servicing these systems. Student will gain knowledge and practical application in the repair, maintenance, and diagnosing of these systems. The course will allow students to gain, reinforce and apply academic knowledge and skills in a variety of relevant activities and problems. Students will be required to sit for the written (test) portion of the Student ASE certification. Students will learn and follow strict automotive shop safety procedures. This course covers employability skills such as; professional dress, punctuality, attendance, how to behave in a professional environment, resume writing and job interview skills. The focus of this course is to prepare the student for an automotive technical school. Other material and

supply fees may be required. **Offered at Career Center East only**

**PRACTICUM IN TRANSPORTATION  
DISTRIBUTION AND LOGISTICS  
(AUTO TECH)**

Course: 89802200  
Credits: 2  
Grade: 11-12  
GPA Level: 1  
Prerequisite: Automotive  
Technology II and completed the  
Student ASE Test

**Materials:** Black button up work shirt, Black “Dickies style” pants Z87 rated safety glasses

**Requirements:** Reliable Transportation, Pass a Background check, Negative Drug Screen Test,

**Recommendation:** Employment in Automotive Industry

**Fees:** \$25 Shop Materials and Supplies

The Automotive Technology Practicum Course is designed to give students supervised practical application of knowledge and skills through industry job shadowing, mentorship, and internship (internship may be paid or unpaid). Students will be required to facilitate employment or internship in an Automotive Industry workplace such as; Service/Repair Facilities or Parts Suppliers/Distributors. Students will adhere to workplace guidelines such as; dress and appearance, professional conduct, punctuality and attendance. Students interested in this program should inquire about afternoon placement in this program for the purpose of industry placement. Other material and supply fees may be required. **Offered at Career Center East Only.**

**COLLISION REPAIR**

Course: 89801100  
Credits: 2  
Grade: 10-12  
GPA Level:  
Recommendation: Uniform,  
respirator, and gloves required

First term training skills include safety, hand and power tools use, part removal and installation, metal repair, priming and painting techniques, basic measurements, paint ratio and mixing procedures. The Auto Collision course is a simulation of how an actual repair shop is managed. Material and supply fees may be required. **Offered at Dale Jackson Career Center Only**

**PAINT AND REFINISHING**

Course: 89801700  
Credits: 2  
Grade: 10-12  
GPA Level:  
Prerequisite: Collision Repair

Advanced training in refinishing techniques, major collision repair, estimating, laser guided structural alignment, welding, and students may also take advantage of 4<sup>th</sup> term work placement program. Through the I-Car live program, students may gain the I-Car certification. Material and supply fees may be required. **Offered at Dale Jackson Career Center Only**

**PRACTICUM IN TRANSPORTATION,  
DISTRIBUTION, & LOGISTICS I  
(AUTO COLLISION)**

Course: 89800400  
Credits: 2  
Grade: 12  
GPA Level:  
Prerequisite: Paint and  
Refinishing

This course is a paid or unpaid capstone experience for students participating in a coherent sequence of courses in the Transportation, Distribution, and Logistics cluster. This course is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. **Offered at Dale Jackson Career Center Only**

**89815900 CAREER PREPARATION I (DJCC), 2 credits**

**89815943 CAREER PREPARATION I (CCE), 2 credits**

**79814900 CAREER PREPARATION I (Campus), 2 credits**

Grade: 11-12

Recommendation: Practicum in Level Class

Career Preparation I provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. **Offered at both Career Centers**

**89815800 CAREER PREPARATION II (DJCC), 2 credits**

**89815843 CAREER PREPARATION II (CCE), 2 credits**

**79825200 CAREER PREPARATION II (Campus), 2 credits**

Grade: 12

Recommendation: Career Preparation I

Career Preparation II develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics, safety, and communication as a group; however, each student will have an individual training plan that will address job-specific knowledge and skills. Approved training sponsors will provide paid occupational training for a student. The training sponsor will assist the teacher in providing the necessary knowledge and skills for the student's specific career preparation. **Offered at both Career Centers**



## ACRONYMS AND ABBREVIATIONS

ACDEC	Academic Decathlon
AP	Advanced Placement
AV	Audio Visual
CBA	Credit By Acceleration Exam
CBE	Credit By Exam
CCE	Career Center East
CTE	Career and Technical Education
DJCC	Dale Jackson Career Center
ELL	English Language Learners
EOC	End of Course
ESL	English as a Second Language
FHSP	Foundation High School Program
FHSP-DLA	Foundation High School Program with Distinguished Level of Achievement
GPA	Grade Point Average
G/T	Gifted and Talented
IPC	Integrated Physics and Chemistry
J.V.	Junior Varsity
LLC	Lewisville Learning Center
LOTE	Languages Other Than English
MTA	Multisensory Teaching Approach
NHS	Night High School
PreAP	Pre-Advanced Placement
PSAT	Preliminary SAT
RIC	Rank in Class
SAT	Formerly Scholastic Aptitude Test; Now SAT Reasoning
STAAR	State of Texas Assessment of Academic Readiness
STAAR EOC-A	State of Texas Assessment of Academic Readiness End of Course-Alternate
STAAR EOC-M	State of Texas Assessment of Academic Readiness End of Course-Modified
TEA	Texas Education Agency
TxVSN	Texas Virtual School Network
UIL	University Interscholastic League
VLA	Virtual Learning Academy
SpEd	Special Education
ARD	Admission, Review, Dismissal

TEXAS VIRTUAL SCHOOL  
NETWORK INFORMATION  
WWW.TXVSN.ORG



Sec. 26.0031. RIGHTS CONCERNING STATE VIRTUAL SCHOOL NETWORK. (a) At the time and in the manner that a school district or open-enrollment charter school informs students and parents about courses that are offered in the district's or school's traditional classroom setting, the district or school shall notify parents and students of the option to enroll in an electronic course offered through the state virtual school network under Chapter 30A.

(b) Except as provided by Subsection (c), a school district or open-enrollment charter school in which a student is enrolled as a full-time student may not deny the request of a parent of a student to enroll the student in an electronic course offered through the state virtual school network under Chapter 30A.

(c) A school district or open-enrollment charter school may deny a request to enroll a student in an electronic course if:

- (1) a student attempts to enroll in a course load that is inconsistent with the student's high school graduation plan or requirements for college admission or earning an industry certification;
  - (2) the student requests permission to enroll in an electronic course at a time that is not consistent with the enrollment period established by the school district or open-enrollment charter school providing the course;
- or
- (3) the district or school offers a substantially similar course.

(c-1) A school district or open-enrollment charter school may decline to pay the cost for a student of more than three yearlong electronic courses, or the equivalent, during any school year. This subsection does not:

- (1) limit the ability of the student to enroll in additional electronic courses at the student's cost; or
- (2) apply to a student enrolled in a full-time online program that was operating on January 1, 2013.

(d) Notwithstanding Subsection (c)(2), a school district or open-enrollment charter school that provides an electronic course through the state virtual school network under Chapter 30A shall make all reasonable efforts to accommodate the enrollment of a student in the course under special circumstances.

(e) A parent may appeal to the commissioner a school district's or open-enrollment charter school's decision to deny a request to enroll a student in an electronic course offered through the state virtual school network. The commissioner's decision under this subsection is final and may not be appealed.

(f) A school district or open-enrollment charter school from which a parent of a student requests permission to enroll the student in an electronic course offered through the state virtual school network under Chapter 30A has discretion to select a course provider approved by the network's administering authority for the course in which the student will enroll based on factors including the informed choice report in Section 30A.108(b)

It is the policy of Lewisville I.S.D. not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

It is the policy of Lewisville I.S.D. not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

This curriculum guide complies with all civil rights guidelines and all Federal Title IX requirements. Students are accepted into career and technical programs without regard to sex, race, color, national origin or handicapping condition.

Lewisville, I.S.D. will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact the Title IX Coordinator, Dr. Kevin Rogers at 1565 West Main St., Lewisville, Texas 75067, 972-350-4750 and/or the Section 504 Coordinator, Dr. Kathy Talbert at 136 West Purnell St., Lewisville, TX 75057, 469- 713-5203.

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