


IRVING
Independent School District

# 2026-2027
# HIGH SCHOOL COURSEWORK

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# Graduation Requirements

## How to Use This Guide

This course description guide is provided for the convenience of parents and students in selecting courses for high school. Course listings follow the same order as the subject areas on the graduation program charts.
Electives are listed within each subject area. The grade level indicated represents the normal progression of courses. Students may enroll for a course at a different grade level provided the prerequisite has been met. Some courses may be available only at selected campuses. Those are noted with a location code. No location indicates the course is offered at all high school campuses. All elective courses listed in this guide will be offered if enrollments are enough and if qualified teachers are available.

## Graduation Requirements

All entering freshmen will default to the Foundation High School program with a Distinguished Level of Achievement which will include the completion of at least one endorsement and Algebra II; the endorsement may be changed if a new endorsement can be completed. Students who choose to graduate without an endorsement must wait until the end of the sophomore year and have parent or guardian permission. All endorsements and performance acknowledgements will be indicated on a student's transcript.

## STAAR End of Course (EOC) Requirements for High School Students

High School students are required to pass five (5) End of Course (EOC) Assessments. The 5 EOC Assessments are:
English I, English II, Algebra I, Biology, and U.S. History.

## Department of Career and Technical Education (CTE) Public Notification of Nondiscrimination in CTE Programs

It is the policy of Irving I.S.D. not to discriminate on the basis of race, color, national origin, gender 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 Educational Amendments of 1972; Section 503 and 504 of the Rehabilitation Act of 1973; as amended. Irving I.S.D. will take steps to ensure that lack of English language skills will not be a barrier to admission and participation in all educational programs and services. Irving Independent School District offers the following Career and Technical Education programs: Agriculture, Food & Natural Resources; Architecture & Construction; Arts, A/V Technology & Communications; Business, Management & Administration; Education & Training; Government & Public Administration; Health Science; Hospitality & Tourism; Human Services; Information Technology; Law, Public Safety, Corrections & Security; Manufacturing; Marketing, Sales & Service; Science, Technology, Engineering & Mathematics; and, Transportation, Distribution & Logistics. Admission to these programs is based on interest, age appropriateness and class space availability.

It is the policy of Irving I.S.D. not to discriminate on the basis of race, color, national origin, gender 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 Educational Amendments of 1972; Section 503 and 504 of the Rehabilitation Act of 1973; as amended. Irving I.S.D. will take steps to ensure that lack of English language skills will not be a barrier to admission and participation in all educational programs and services.

Irving ISD 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 at 2621 West Airport Freeway, 972-600-5215, and/or the section 504 Coordinator at 2621 West Airport Freeway, 972-600-5025.

## Graduation Programs Class of 2018-2026

Irving ISD students will pursue the Foundation High School Program, a Distinguished Level of Achievement upon entering 9th grade. Endorsement requirements are identified on the next page.

| Foundation HS Program | | Foundation with Endorsement(s) | | Distinguished Achievement | |
|---|---|---|---|---|---|
| **Subject Areas** | **Credits** | **Subject Areas** | **Credits** | **Subject Areas** | **Credits** |
| **English** English I, II, III and an advanced English course | 4 | **English** same | 4 | **English** same | 4 |
| **Comm. App./Prof. Comm. (Speech)*** ** | ½ | **Same** | ½ | **Same** | ½ |
| **Mathematics** (including Algebra, I, Geometry, and an advanced math course) | 3 | **Mathematics** (including Algebra 1, Geometry, and two advanced math courses) | 4 | **Mathematics** (Algebra 1, Geometry, Algebra II, and an advanced math) | 4 |
| **Science** (Biology, IPC and one advanced course OR Biology and two advanced courses) | 3 | **Science** (Biology, IPC and two advanced courses OR Bio and three advanced courses | 4 | **Science** Same as Foundation with Endorsement | 4 |
| **Social Studies** (World Geography, World History, US History, Government and Economics) | 4 | **Social Studies** same | 4 | **Social Studies** same | 4 |
| **Physical Education * *** | 1 | **Physical Education**** | 1 | **Physical Education**** | 1 |
| **Health** | ½ | **Health** | ½ | **Health** | ½ |
| **Languages Other Than English** | 2 | **Languages Other Than English** | 2 | **Languages Other Than English** | 2 |
| **Fine Arts** | 1 | **Fine Arts** | 1 | **Fine Arts** | 1 |
| | | **Requirements of an Endorsement** | See Next Page | **Requirements of an Endorsement** | See Next Page |
| **Electives** | 3 | **Electives (including endorsement courses)** | 5 | **Electives (including endorsement courses)** | 5 |
| **Total Credits Required** | **22** | | **26** | | **26** |

+ A student must earn the Distinguished Level of Achievement to be eligible for top 10% automatic admission.

**Credit for PE courses may be earned through participation in athletics or JROTC or appropriate private or commercially sponsored physical activity programs for a maximum of four credits, or through participation in marching band, cheerleading or drill team. Certain courses may replace this requirement. See page 14 for a list of those courses.

A student may graduate under the foundation high school program without an endorsement if, after the student's sophomore year, a committee including the student, the student's parent, and the counselor determine that it is in the best interest of the student to bypass the benefits of graduating with an endorsement. A student served by an ARD committee may also graduate without an endorsement.

In accordance with Texas Education Code (TEC), §28.0256, beginning with students enrolled in **12th grade** during the **2021-2022 school year**, each student must do one of the following in order to graduate:

- Complete and submit a Free Application for Federal Student Aid (FAFSA);
- Complete and submit a Texas Application for State Financial Aid (TASFA); or
- Submit a signed opt-out form.

# Programas de Graduación Clase de 2018-2026

Al ingresar al 9° grado, los estudiantes de Irving seguirán el Plan de Secundaria Básico/Fundamental con una Especialidad o el Nivel de Desempeño Destacado. Los requisitos para las Especialidades se detallan en la página siguiente.

| Programa Básico/Fundamental | | Programa Básico/Fundamental con Especialidad(es) | | Programa de Desempeño Destacado | |
|---|---|---|---|---|---|
| **Materias** | **Créditos** | **Materias** | **Créditos** | **Materias** | **Créditos** |
| **Inglés**<br>Inglés I, II, III y un curso de Inglés Avanzado | 4 | **Inglés**<br>igual | 4 | **Inglés**<br>igual | 4 |
| **Comunicación**<br>(Discurso)*** | ½ | **Igual** | ½ | **Igual** | ½ |
| **Matemáticas**<br>(incluyendo Álgebra I, Geometría, y un curso de matemáticas avanzado) | 3 | **Matemáticas**<br>(incluyendo Álgebra I, Geometría, y dos cursos de matemáticas avanzados) | 4 | **Matemáticas**<br>(Álgebra I, Geometría, Álgebra II y un curso avanzado) | 4 |
| **Ciencias Naturales**<br>(Biología, IPC y un curso avanzado O Biología y dos cursos avanzados) | 3 | **Ciencias Naturales**<br>(Biología, IPC y dos cursos avanzados O Biología y tres cursos avanzados) | 4 | **Ciencias Naturales**<br>Igual que el Programa Básico/Fundamental con Especialidad | 4 |
| **Ciencias Sociales**<br>(Geografía Mundial, Historia Mundial, Historia de EE.UU., Gobierno y Economía) | 4 | **Ciencias Sociales**<br>Igual | 4 | **Ciencias Sociales**<br>Igual | 4 |
| **Educación Física**** | 1 | **Educación Física**** | 1 | **Educación Física**** | 1 |
| **Salud** | ½ | **Salud** | ½ | **Salud** | ½ |
| **Otros Idiomas además del Inglés** | 2 | **Otros Idiomas además del Inglés** | 2 | **Otros Idiomas además del Inglés** | 2 |
| **Bellas Artes** | 1 | **Bellas Artes** | 1 | **Bellas Artes** | 1 |
| | | **Requisitos de una especialidad** | Ver la página siguiente | **Requisitos de una especialidad** | Ver la página siguiente |
| **Electivos** | **3** | **Electivos (incluyendo cursos de especialidad)** | **5** | **Electivos (incluyendo cursos de especialidad)** | **5** |
| **Total de Créditos Requeridos** | **22** | | **26** | | **26** |

+ El estudiante debe obtener el Programa de Desempeño Destacado para ser elegible an ingreso automático del 10% de los mejores alumnos (Top 10%)

** El crédito para los cursos de educación física se puede obtener a través de la participación en atletismo, JROTC o programas apropiados de actividad física privados o patrocinados comercialmente para un máximo de cuatro créditos, o a través de la participación en la banda de marcha, porristas o drill team.

*** Cierto cursos pueden sustituir este requisito – consulte la página 14.

Un estudiante puede graduarse bajo el programa básico/fundamental sin una especialidad. Si después del segundo año de estudios, un comité que incluye al estudiante, padre del estudiante, y el consejero/a determina que lo mejor para el estudiante, es sobrepasar los beneficios de graduarse con una especialidad. Un estudiante recibiendo servicios de un comité ARD también puede graduarse sin una especialidad

## Graduation Programs Class of 2027 and Beyond

Irving ISD students will pursue the Foundation High School Program a Distinguished Level of Achievement upon entering 9th grade. Endorsement requirements are identified on the next page.

| Foundation HS Program | | Foundation with Endorsement(s) | | Distinguished Achievement | |
|---|---|---|---|---|---|
| **Subject Areas** | **Credits** | **Subject Areas** | **Credits** | **Subject Areas** | **Credits** |
| **English**<br>English I, II, III and an advanced English course | 4 | **English**<br>same | 4 | **English**<br>same | 4 |
| **Comm. App./Prof. Comm. (Speech)*****<br>(recommended but not required) | ½ | **Same** | ½ | **Same** | ½ |
| **Mathematics**<br>(including Algebra, I, Geometry, and an advanced math course) | 3 | **Mathematics**<br>(including Algebra 1, Geometry, and two advanced math courses) | 4 | **Mathematics**<br>(Algebra 1, Geometry, Algebra II, and an advanced math course) | 4 |
| **Science**<br>(Biology, IPC and one advanced course OR Biology and two advanced courses) | 3 | **Science**<br>(Biology, IPC and two advanced courses OR Bio and three advanced courses | 4 | **Science**<br>Same as Foundation with Endorsement | 4 |
| **Social Studies**<br>(World Geography OR World History, US History, Government and Economics) | 3 | **Social Studies**<br>Same | 3 | **Social Studies** | 3 |
| **Physical Education * *** | 1 | **Physical Education**** | 1 | **Physical Education**** | 1 |
| **Health** (recommended but not required) | ½ | **Health** | ½ | **Health** | ½ |
| **Languages Other Than English** | 2 | **Languages Other Than English** | 2 | **Languages Other Than English** | 2 |
| **Fine Arts** | 1 | **Fine Arts** | 1 | **Fine Arts** | 1 |
| | | **Requirements of an Endorsement** | See next page | **Requirements of an Endorsement** | See Next Page |
| **Electives** | 4 | **Electives (including endorsement courses)** | 6 | **Electives (including endorsement courses)** | 6 |
| **Total Credits Required** | **22** | | **26** | | **26** |

+ A student must earn the Distinguished Level of Achievement to be eligible for top 10% automatic admission.

**Credit for PE courses may be earned through participation in athletics or JROTC or appropriate private or commercially sponsored physical activity programs for a maximum of four credits, or through participation in marching band, cheerleading or drill team. Certain courses may replace this requirement. See page 14 for a list of those courses.

A student may graduate under the foundation high school program without an endorsement if, after the student's sophomore year, a committee including the student, the student's parent, and the counselor determine that it is in the best interest of the student to bypass the benefits of graduating with an endorsement. A student served by an ARD committee may also graduate without an endorsement.

In accordance with Texas Education Code (TEC), §28.0256, beginning with students enrolled in **12th grade** during the **2021-2022 school year**, each student must do one of the following in order to graduate:

- Complete and submit a Free Application for Federal Student Aid (FAFSA);
- Complete and submit a Texas Application for State Financial Aid (TASFA); or
- Submit a signed opt-out form.

# Programas de Graduación Clase de 2027 a Adelante

Al ingresar al 9° grado, los estudiantes de Irving seguirán el Plan de Secundaria Básico/Fundamental con una Especialidad o el Nivel de Desempeño Destacado. Los requisitos para las Especialidades se detallan en la página siguiente.

| Programa Básico/Fundamental | | Programa Básico/Fundamental con Especialidad(es) | | Programa de Desempeño Destacado | |
|---|---|---|---|---|---|
| **Materias** | **Créditos** | **Materias** | **Créditos** | **Materias** | **Créditos** |
| **Inglés**<br>Inglés I, II, III y un curso de Inglés Avanzado | 4 | **Inglés**<br>igual | 4 | **Inglés**<br>igual | 4 |
| **Comunicación (Discurso)*****<br>(recomendado, pero no es obligatorio) | ½ | **Igual** | ½ | **Igual** | ½ |
| **Matemáticas**<br>(incluyendo Álgebra I, Geometría, y un curso de matemáticas avanzado) | 3 | **Matemáticas**<br>(incluyendo Álgebra I, Geometría, y dos cursos de matemáticas avanzados) | 4 | **Matemáticas**<br>(Álgebra I, Geometría, Álgebra II y un curso avanzado) | 4 |
| **Ciencias Naturales**<br>(Biología, IPC y un curso avanzado O Biología y dos cursos avanzados) | 3 | **Ciencias Naturales**<br>(Biología, IPC y dos cursos avanzados O Biología y tres cursos avanzados) | 4 | **Ciencias Naturales** | 4 |
| **Ciencias Sociales**<br>(Geografía Mundial o Historia Mundial, Historia de EE.UU., Gobierno y Economía) | 3 | **Ciencias Sociales** | 3 | **Ciencias Sociales** | 3 |
| **Educación Física**** | 1 | **Educación Física**** | 1 | **Educación Física**** | 1 |
| **Salud**<br>(recomendado pero no es obligatorio) | ½ | **Salud** | ½ | **Salud** | ½ |
| **Otros Idiomas además del Inglés** | 2 | **Otros Idiomas además del Inglés** | 2 | **Otros Idiomas además del Inglés** | 2 |
| **Bellas Artes** | 1 | **Bellas Artes** | 1 | **Bellas Artes** | 1 |
| | | **Requisitos de una especialidad** | Ver la siguiente página | **Requisitos de una especialidad** | ver la siguiente página |
| **Electivos** | 4 | **Electivos (incluyendo cursos de especialidad)** | 6 | **Electivos (incluyendo cursos de especialidad)** | 6 |
| **Total de Créditos Requeridos** | **22** | | **26** | | **26** |

+ El estudiante debe obtener el Programa de Desempeño Destacado para ser elegible a un ingreso automático del 10% de los mejores alumnos (Top 10%)

** El crédito para los cursos de educación física se puede obtener a través de la participación en atletismo, JROTC o programas apropiados de actividad física privados o patrocinados comercialmente para un máximo de cuatro créditos, o a través de la participación en la banda de marcha, porristas o drill team.

*** Cierto cursos pueden sustituir este requisito – consulte la página 14.

Un estudiante puede graduarse bajo el programa básico/fundamental sin una especialidad. Si después del segundo año de estudios, un comité que incluye al estudiante, padre del estudiante, y el consejero/a determina que lo mejor para el estudiante, es sobrepasar los beneficios de graduarse con una especialidad. Un estudiante recibiendo servicios de un comité ARD también puede graduarse sin una especialidad

# Irving ISD Graduation Programs
# Class of 2018 and Beyond - Endorsements

| Endorsement Areas * In order to earn an endorsement, a student must also complete 4 Math and 4 Science credits. | |
|---|---|
| **STEM** | **Student must take Foundation curriculum including Algebra II, Chemistry, and Physics and ONE of the following:**<br>**1.** Coherent sequence of four credits in the following Programs of Study (including one advanced course):<br>• Computer Science<br>• Engineering – Aerospace, Aviation, Biomedical, Civil or Environmental<br>• Aviation Science<br>**2.** Five credits in Mathematics:<br>• Algebra I, Geometry, Algebra II, and two additional advanced courses<br>**3.** Five credits in Science:<br>• Biology, Chemistry, Physics, and two additional advanced science courses<br>**4.** In addition to Alg. II, Chemistry, and Physics, a sequence of three additional courses from 1,2 or 3 above. |
| **Business and Industry** | **Student must take Foundation curriculum and ONE of the following:**<br>1. Coherent sequence of four credits in the following Programs of Study (including one advanced course):<br>• Agriculture<br>• Architecture and Construction<br>• Arts, AV Technology, and Communications<br>• Business, Marketing and Finance<br>• Transportation, Distribution and Logistics<br>• Information Technology<br>• Manufacturing<br>• Hospitality and Tourism<br>2. Four English elective credits including THREE levels of ONE of these:<br>• Journalism, Broadcast Journalism, Newspaper, Yearbook, Debate |
| **Public Services** | **Student must take Foundation curriculum and ONE of the following:**<br>1. Coherent sequence of four credits in the following Programs of Study (including one advanced course):<br>• Education and Training<br>• Health Science<br>• Human Services - Cosmetology<br>• Law and Public Service<br>• Human and Social Services<br>2. Four courses in JROTC |
| **Arts & Humanities** | **Student must take Foundation Curriculum and ONE of the following:**<br>1. A total of five social studies credits<br>2. Four levels of the same Language other than English, including ASL<br>3. Two levels of two different Languages other than English<br>4. Coherent sequence of four credits in one or two disciplines of fine arts<br>5. Four English elective advanced courses which may include English 4 and beyond |
| **Multidisciplinary Studies** | **Student must take Foundation Curriculum and ONE of the following:**<br>1. Four advanced courses from within one endorsement area or among endorsement areas that are not in a coherent sequence.<br>2. Four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics<br>3. Four credits in AP or dual credit selected from the foundation subject areas, Languages other than English, or fine arts |

***Not all programs of study are available at all campuses. Some programs are limited in enrollment by space or staffing limitations.**

## Irving ISD Graduation Programs
## Class of 2018 and Beyond - Performance Acknowledgements

A student may earn a performance acknowledgement for outstanding performance in:

**Dual credit classes:**

- 12 college hours with a grade of 3.0 out of 4.0
- Earning an associate degree while in high school

**Bilingualism and Biliteracy:** An average GPA of 80 in English courses and satisfying ONE of the following:

- At least three credits in the same Language other than English with at least an 80 average
- Demonstrated proficiency at level four or higher in a Language other than English with a minimum GPA of 80
- A score of 3 or higher on a College Board AP exam in a Language other than English

☐ **If the student is an English language learner, he or she must also have exited the ESL program and scored Advanced High on the TELPAS.**

**AP Test:** Score a 3 or above on a College Board AP exam

**PSAT, ACT-Plan, SAT, ACT**: Score the following on **one** of these exams:

- Earning a score on the PSAT/NMSQT that qualifies a student for recognition as a Commended Scholar or higher, or recognized as a National Hispanic Scholar or National Achievement Scholar
- Achieving the college readiness benchmark score on the ACT-PLAN in at least two of the four subjects
- Earning a combined critical reading and mathematics score of at least 1250 on the SAT
- Earning a composite score of 28 on the ACT examination

**Nationally or internationally recognized business or industry certificate**:

- Qualification for an APPROVED federal, state, or industry certification or license related to the student's program of study. An approved list will be provided by the Texas Education Agency.

# Programas de Graduación de Irving ISD Clase de 2018 en Adelante - Especialidades

| Áreas de Especialidad*<br>Con el fin de obtener aprobación, un estudiante también debe completar 4 créditos de Matemáticas y 4 de Ciencia. | |
|---|---|
| **Ciencias, Tecnología, Ingeniería y Matemáticas (STEM, por sus siglas en inglés)** | **El estudiante debe tomar el plan de estudio Básico/Fundamental incluyendo Álgebra II, Química, y Física y UNO de los siguientes:**<br>1. Secuencia coherente de cuatro créditos en los siguientes Programas de Estudio (incluyendo un curso avanzado):<br>• Ciencias de la computación<br>• Ingeniería - Aeroespacial, Aeronáutica, Biomédica, Civil o Ambiental<br>• Ciencia de Aviación<br>2. Cinco créditos en Matemáticas:<br>• Álgebra I, Geometría, Álgebra II, más dos cursos avanzados<br>3. Cinco créditos en Ciencias:<br>• Biología, Química, Física, más dos cursos de ciencia avanzados<br>4. Además de Álgebra II, Química y Física, una secuencia de tres cursos adicionales de los números 1, 2 o 3 de arriba. |
| **Negocios e Industria** | **El estudiante debe tomar el plan de estudio Básico/Fundamental y UNO de los siguientes:**<br>1. Secuencia coherente de cuatro créditos en los siguientes Programas de Estudio (incluyendo un curso avanzado):<br>• Agricultura<br>• Arquitectura y Construcción<br>• Artes, Tecnologías Audio/Vídeo, y Comunicaciones<br>• Negocios, Mercadotecnia y Finanzas<br>• Transportación, Distribución y Logística<br>• Tecnologías de la Información<br>• Manufactura<br>• Hostelería y Turismo<br>2. Cuatro cursos electivos de Inglés incluyendo TRES niveles de UNO de estos:<br>• Periodismo, Periodismo Televisivo, Periódico, Libro de Año Escolar, Debate |
| **Servicios Públicos** | **El estudiante debe tomar el plan de estudio Básico/Fundamental y UNO de los siguientes:**<br>1. Secuencia coherente de cuatro créditos en los siguientes Programas de Estudio (incluyendo un curso avanzado):<br>• Educación y Formación<br>• Ciencias de la Salud<br>• Servicios Humanos - Cosmetología<br>• Leyes y Servicios Públicos<br>• Servicios Humanos y Sociales<br>2. Cuatro cursos en JROTC |
| **Artes y Humanidades** | **El estudiante debe tomar el plan de estudio Básico/Fundamental y UNO de los siguientes:**<br>1. Un total de cinco créditos en ciencias sociales<br>2. Cuatro niveles del mismo Idioma diferente al inglés, incluyendo ASL<br>3. Dos niveles de dos diferentes Idiomas diferentes al inglés<br>4. Secuencia coherente de cuatro créditos en una o dos disciplinas de las bellas artes<br>5. Cuatro cursos avanzados electivos de inglés cuales pueden incluir inglés 4 y más |
| **Estudios Multidisciplinarios** | **El estudiante debe tomar el plan de estudio Básico/Fundamental y UNO de los siguientes:**<br>1. Cuatro cursos avanzados en un área de especialidad o entre áreas de especialidades que no están en secuencia coherente.<br>2. Cuatro créditos en cada una de las materias básicas incluyendo inglés IV y química, y/o física.<br>3. Cuatro créditos en AP o doble crédito seleccionados de las áreas básicas, idiomas diferentes al inglés, o bellas artes. |

***No todos los programas de estudio están disponibles en todos los campus.**

## Programas de Graduación de Irving ISD
## Clase de 2018 en Adelante - Reconocimientos por Desempeño

Un estudiante puede obtener un reconocimiento por desempeño sobresaliente en:

- **Cursos de doble crédito:**
    - 12 créditos universitarios con un promedio (GPA) de 3.0 en una escala de 4.0
    - Obtener un título asociado en la escuela secundaria

- **Bilingüismo y alfabetización** – promedio (GPA) mínimo de 80 en cursos de inglés y cumplir con una de las siguientes:
    - Por lo menos tres créditos del mismo idioma diferente al inglés (LOTE por sus siglas en inglés) con un promedio mínimo de 80
    - Demostrar habilidad en el nivel cuatro o superior en LOTE con un promedio (GPA) mínimo de 80
    - Una puntuación de 3 o más en un examen de Prueba Avanzada (AP por sus siglas en inglés) del College Board en un idioma diferente al inglés

- **Si el alumno es un estudiante de inglés como segundo idioma (ESL por sus siglas en inglés), también debe haber superado el programa de ESL y haber recibido el rango Avanzada Alto en el TELPAS**

- **Prueba Avanzada (AP por sus siglas en inglés)**
    - Un 3 o más en un examen AP

- **PSAT, ACT-Plan, SAT, ACT** – debe anotar lo siguiente en **uno** de estos exámenes:
    - Obtener un resultado en el PSAT/NMSQT que califique al estudiante para el reconocimiento comendado o más, o reconocimiento como un Hispano Académico Nacional o Académico Nacional de Logro
    - Lograr resultados de norma de preparación universitaria en el ACT-PLAN en al menos dos de las cuatro materias
    - Obtener un resultado combinado de por lo menos 1250 en las secciones de lectura crítica y matemáticas del examen SAT
    - Obtener un resultado promedio de 28 en el examen ACT

- **Un certificado de negocios o industria reconocidos a nivel nacional o internacional:** Capacitación para un certificado APROBADO federalmente, estatalmente, o una certificación de industria o licencia relacionada al programa de estudio del estudiante. Una lista aprobada será proporcionada por la Agencia de Educación de Texas.

## Irving Independent School District Grade Classification of Students

1. Students are classified once a year at the end of the school year in June. The only exception is for those students who attend summer school or those students who participate in a district program designed for grade acceleration. The classification of students who attend summer school is revised, if applicable, in August. Only seniors are reclassified when correspondence, CBE or Dual course grades are received.

2. If an error is discovered in a student's classification or if the school receives new records that reflect more or fewer credits, the counselors submit a correction immediately.

3. Classification of students is based on the number of credits earned and courses completed as indicated below. There are two exceptions to this rule: students in Gifted and Talented (G/T) programs and new immigrant students. The credit and classification breakdown are published in the student handbook.

    - Freshmen 0 - 5½ credits
    - Sophomore 6 - 11½
    - Junior 12 - 17½
    - Senior 18 +

4. **Classification of G/T students** - G/T students who earn 6 or more credits in middle school will remain in the normal progression of their class.

5. **Classification of ELL Immigrant Students** – Districts are to follow the rules in TAC, §74.26 when determining what credit to award to a student transferring in from a non-Texas-public school. A school district must ensure that the records or transcripts of an out-of-state or out-of-country transfer student (including foreign exchange students) or a transfer student from a Texas nonpublic school are evaluated and that the student is placed in appropriate classes promptly. The district may use a variety of methods to verify the content of courses for which a transfer student has earned credit. Students who have graduated from high school in another country may not be enrolled regardless of age. Please refer these students to a post-secondary institution and/or adult ESOL classes.

6. **Three Year Graduates** - Students who wish to graduate in three years will need to consult with their counselor no later than the end of their sophomore year. Three-year graduates may be classified as seniors during the course of their third year of high school or mid-term if they have enough credits to graduate.

## Early College and Dual Credit Program Offerings

Irving ISD has an instructional partnership with Dallas College to offer dual credit courses for students enrolled in Irving ISD high schools. The dual credit program allows students the opportunity to earn college credit while in high school. Dual credit courses are offered in a variety of subject areas within the core curriculum and Career and Technical Education pathways. Irving ISD also has two Early College programs that offer specific associates degree options. See your counselor for more information.

## Texas Success Initiative Assessment (TSIA)

Students who are interested in taking dual credit courses, must show readiness to take college level courses. The TSIA 2.0 is the assessment instrument used to determine college readiness for non-exempt students, as required by the Texas Success Initiative and approved by the Texas Higher Education Coordinating Board (THECB).

The TSIA 2.0 assessment helps determine whether students are ready for college-level coursework by evaluating their academic performance in English language arts (ELAR) and mathematics. These are foundational subjects for other college coursework. The results of the TSIA 2.0 assessment, in conjunction with academic background, goals, and interests, are used by school counselors to place students in the appropriate courses that match their achievement level.

Not all students will need to take the TSIA 2.0. If college readiness standards are met on the SAT, ACT, or if a student has attempted less than 15 college credit hours, they may be exempt from taking the TSIA 2.0. The college readiness standards for the SAT are an Evidence Based Read Writing (EBRW) score of 480+ and a Math score of 530+. The college readiness standards for the ACT are a combined score of 40+ on the Reading and English sections of the ACT and a score of 22+ on the Math section.

To learn more about TSIA 2.0, contact your school counselor. If you are viewing this digitally, then click here for more details.

# English Language Arts

## English I

**[B15140 ENG 1 03220100]**

*Grade: 9* *Credit: 1*

English I students read extensively across multiple genres from world literature, including selected stories, dramas, novels, poetry, and informational texts. This course asks students to explore the possible influences of the historical context on a literary work and respond to these texts by regularly planning, drafting, editing, and revising written compositions in various forms, such as literary analysis, expository essays, and argumentative writing.

## English I Honors

**[B15189 ENG 1 H 03220100]**

*Grade: 9* *Credit: 1*

Students are expected to read and write beyond the scope of the general education ELAR course in depth and rigor. This course offers material to challenge and encourage the students' independent, critical, and creative thinking skills. The student will refine oral and written communication skills as well as read all forms of literature extensively and analytically in preparation for AP English courses.

## English II

**[B15240 ENG 2 03220200]**

*Grade: 10* *Credit: 1* *PR: English 1*

English II students read extensively across multiple genres from world literature, including selected stories, dramas, novels, poetry, and informational texts. Students learn literary forms and terms associated with the selections being read and interpret the possible influences of the historical context on a literary work. This course asks students to respond to these texts by regularly planning, drafting, editing, and revising written compositions in various forms, such as literary analysis, expository essays, and argumentative writing.

## English II Honors

**[B15279 ENG 2 GT H 03220200]**

Grades: 9 Credit: 1 PR: English I GT

**[B15269 ENG 2 H 03220200]**

*Grades: 10* *Credit: 1* *PR: English 1*

Students are expected to read and write beyond the scope of the general education ELAR course in depth and rigor. This course offers material to challenge and encourage the students' independent, critical, and creative thinking skills. This college preparatory course explores the subject matter in depth and complexity. The student will refine oral and written communication skills as well as read all forms of literature extensively and analytically in preparation for AP English courses. Students enrolled in GT sections will engage in the development of innovative and advanced products aligned with the state goal of gifted education through the year-long, R4D research process.

## English III

**[B15340 ENG 3 03220300]**

*Grades: 11* *Credit: 1* *PR: English II*

English III students read extensively across multiple genres from American literature, including selected stories, dramas, novels, poetry, and informational texts. They learn literary forms and terms associated with the selections being read and interpret the possible influences of the historical context on a literary work. Students respond to these texts by regularly planning, drafting, editing, and revising written compositions in various forms, such as literary analysis, expository essays, and argumentative writing. Students will engage in college test prep including SAT, ACT, & TSI.

## English III – Dual Credit (H)

**[B15639 ENG 3 H/D 03220300]**

*Grade: 10-12* *Credit: 1* *PR- English ii*

Students in this course will read and write extensively and analytically. Students will apply college-ready skills to essays, texts of multiple genres, and participate in meaningful class discussions around close-reading skills. Meets graduation requirements for high school and college credit.

## AP English III (English Language and Composition)

**[B15369 APENGLAN A3220100]**

**[B15379 APENGLAN GT A3220100]**

*Grades: 10-11* *Credit: 1* *PR: English II*

In AP English Language and Composition, students will read nonfiction texts through the eyes of a writer, exploring the choices writers and speakers make to persuade their audience. By analyzing how writing is composed, students will be able to construct their own arguments. AP Language students will perfect reading closely, analyzing, and interpreting a piece of writing, gathering and consolidating information from different sources, and crafting evidence-based arguments. Students enrolled in this course will be required to take the English Language and Composition Advanced Placement Exam.

## English IV

**[B15450 ENG 4 03220400]**

*Grade: 12 Credit: 1*




English IV students read extensively across multiple genres from British literature, including selected stories, dramas, novels, poetry, and informational texts. Students learn literary forms and terms associated with the selections being read and interpret the possible influences of the historical context on a literary work. Throughout this course, students respond to these texts by regularly planning, drafting, editing, and revising written compositions in various forms, such as literary analysis, expository essays, and argumentative writing. CPELA is embedded in this course. This course may be offered as an online course.

For online courses info access: www.irvingisd.net/Page/2790

## English IV-Dual Credit (H)

**[B15469 ENG 4 H/D 03220400]**

*Grade: 12 Credit: 1*

Students enrolled in this course will read and write extensively and analytically. Students will apply college-ready skills to essays, texts of multiple genres, and participate in meaningful class discussions around close-reading skills. This course meets the graduation requirements for high school and college credit.

## AP English IV (English Literature and Composition)

**[B15499 APENGLIT GT A3220200]**

**[B15479 APENGLIT H A3220200]**

*Grades: 11-12 (10 for GT students who have completed English II) Credit: 1 PR: English II*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. In AP English Literature and Composition, students will examine how authors and poets create meaning through their rich, purposeful use of language. Students will write and refine essays about literature, develop the skills of analysis and composition that will allow them to communicate their interpretations effectively. Students enrolled in this course will be required to take the AP Exam.

## English V G/T

**[B15629 ENG 5 GT 03221800]**

*Grade: 12 Credit: 1 PR: English IV*

This course is designed as an in-depth genre study for gifted students in language arts that includes: poetry, drama, fiction, artistic movements and various literary periods, and film studies. Additionally, students focus on composing college admission and scholarship essays as well as perfecting their college applications.

## AP Capstone Seminar

**[16191/2 APSMNR A 3221810]**

*Grades: 10-12 Credit: 1/Elective*

*PR: Honors or AP Experience or Capstone Teacher Approval*

This foundational course provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. Students explore real-world issues through a cross curricular lens, consider multiple points of view to develop deep understanding of complex issues, connect these issues to their own lives, and work both collaboratively and independently to explore real world issues. Students enrolled in this course will be required to take the AP Exam. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the **AP Capstone Diploma™**. Alternatively, students who earn scores of 3 or higher in AP Seminar and AP Research will receive the **AP Seminar and Research Certificate™** signifying their attainment of college-level academic and research skills. Students who complete this course successfully are eligible to receive 0.5 credits for Speech.

## AP Capstone Research

**[16561/2 APRES A3221820]**

*Grades: 11-12 Credit: 1/Elective*

*PR: AP Capstone Seminar*

The second course in the Capstone experience allows students to design, plan and conduct a year-long research based investigation on a topic of individual interest. Through this mentored inquiry and investigation, students demonstrate the ability to connect scholarly understanding to real-world problems and issues. Students further their skills acquired in the AP Seminar Course by understanding research methodology, employing ethical research practices, accessing, analyzing, and synthesizing information as they address a research question. The course culminates in a mentored academic thesis paper and a presentation, performance, or exhibition with an oral defense. Students enrolled in this course will be required to take the AP Exam. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the **AP Capstone Diploma™**. Alternatively, students who earn scores of 3 or higher in AP Seminar and AP Research will receive the **AP Seminar and Research Certificate™** signifying their attainment of college-level academic and research skills.

# Reading

## Reading I-II

**[17501 / 2 READ1 03270700]**
**[17521 / 2 READ2 03270800]**
*Grade Read1-9* *Credit: 1/2-1*
*Grade Read2-10, 11* *Credit: 1/2-1* *PR: Read 1*
This course is designed for students in need of additional practice in reading fundamentals. Students will be given opportunities to locate information in varied sources, to read critically, to evaluate sources, and to draw supportable conclusions. Students will learn how various texts are organized and how authors choose language for communicating effectively to the reader. These strategies will be applied in texts across all content areas.

# Speech

## Professional Communications

**[16394 PROFCOMM 13009900]**
*Grades: 9-12* *Credit: 1/2*
This course is designed to help students develop effective communication skills for successful participation in professional and social life beyond high school. The content includes verbal and nonverbal messages, listening skills, critical thinking and the problem-solving process. Students who complete this course successfully are eligible to receive 0.5 credits for Speech.
This course may be offered as an online course.
For online courses info access: www.irvingisd.net/Page/2790




## Debate I-III

**[1620112 DEBATE1 03240600]**
**[1621112 DEBATE2 03240700]**
**[1622112 DEBATE3 03240800]**
*Grades: 9-12* *Credit: 1/2-1* *PR: Teacher R*
This course is designed as an advanced course, which prepares students for competition in speech events in local and statewide tournaments. Students are involved in practice debates and oral interpretation. Students who complete this course successfully are eligible to receive 0.5 credits for Speech.

## Communications Applications-Dual Language

**[16324 COMMAP DUAL LANG 03241400]**
*Grades: 9-12* *Credit: ½*
This course is designed to help students identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. This course is only offered at MacArthur HS.

# Journalism

## Journalism

**[16101/2 JRNLSM 03230100]**
*Grades: 9-10 Credit: 1 I, M, N*
This is a beginning course for students interested in journalism. The course includes gathering facts, developing interviewing skills, writing news stories, determining newsworthiness, studying journalistic style and techniques of writing headlines and captions, writing features and editorials, and studying the freedom and
responsibility of the press.

## Advanced Journalism: Yearbook/Magazine Production I

**[16111/2 YRBKMAG1 03230110]**
**[16121/2 YRBKMAG2 03230120]**
**[16131/2 YRBKMAG3 03230130]**
*Grades: 10-12 Credit: 1 I, M, N*
Students enrolled in these courses write magazine features and editorials suitable for the student yearbook, as well as the techniques of specialized headline and caption writing. It covers the principles of design, layout, graphics, typography, and production techniques necessary for the production and publishing of a student yearbook. Students develop the skills needed to produce a yearbook, evaluating the components required for a quality product. Students learn elements and processes of magazine-type journalistic products, including the school yearbook and literary magazine. A part of the curriculum is selling advertising and the products. These courses require considerable time outside school hours.

## Independent Study in Journalism

**[16181/2 IND JOUR 03231000]**

*Grades: 10-12 Credit: ½-1 I, M, N*

Students will create publications, using advanced desktop publishing software, assembling all the elements-type, illustrations, graphs, tint and photographs on the computer screen. This course provides advanced skills and knowledge for students entering post-secondary education institutions or the work-force. PREREQUISITE: Teacher Approval.

## Alternate Speech Credit

0.5 credit of speech may be earned through participation in one of the courses listed below. These courses demonstrate proficiency in delivering clear verbal messages; choosing effective nonverbal behaviors; listening for desired results; applying valid critical-thinking and problem-solving processes; and evaluating communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. *19TAC 74.11.3

Professional Communications
Debate I-III
Oral Interpretation
AVID 2
Academic Decathlon
AP Capstone Seminar
Independent Study in English ESL

# AVID

## AVID I

**[B85440 AVID1 N1290001]**

*Grade: 9 Credit: 1/Elective PR- AVID Site Team Approval*

AVID (Advancement Via Individual Determination) The 9th grade AVID elective course will serve as a review of the AVID philosophy & strategies for transitioning students. Students will work on academic growth, personal goals, and communication. Students will increase their awareness of their personal contributions to their learning by participating in activities that incorporate strategies focused on writing, critical thinking and inquiry, collaboration, organization & critical reading (WICOR). While adjusting to the high school setting, students engage in activities centered around exploring college/career opportunities, building self-confidence and communication skills. Students wishing to take this course must apply and be approved by the campus AVID Site Team.

## AVID II

**[B85450 AVID2 N1290002]**

*Grade: 10 Credit: 1/Elective PR- AVID Site Team Approval*

AVID (Advancement Via Individual Determination) The 10th grade AVID elective course will refine AVID strategies (WICOR) to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals as well as their higher level critical thinking and public speaking. Students will increase their awareness of their personal contributions to their learning through involvement in school and community via their Service Learning Project. Strategies in analytical reading and critical thinking will focus on understanding complex texts and increase writing ability. Lastly, students will narrow down their colleges & careers of interest based on their personal interests and goals. Students wishing to take this course must apply and be approved by the campus AVID Site Team.

*Students who complete AVID II successfully are eligible to receive 0.5 credits for Speech.*

## AVID III

**[B85460 AVID3 N1290030]**

*Grade: 11 Credit: 1/Elective PR- AVID Site Team Approval & Completion of AVID II*

AVID (Advancement Via Individual Determination) The 11th grade AVID elective course is the first part in a Junior/Senior seminar course that focuses on skills expected of first-year college students. Students participate in college bound activities, intensive research, and confirm their post-secondary plans. Students engage in analytical reading and writing, tutorial study groups, critical thinking, and planning (WICOR). Students wishing to take this course must apply and be approved by the campus AVID Site Team.

## AVID IV

**[B85470 AVID4 N1290033]**

*Grade: 12 Credit: 1/Elective PR- AVID Site Team Approval & Completion of AVID II & III*

AVID (Advancement Via Individual Determination) The 12th grade course is the second part of the Junior/Senior Seminar that focuses on skills expected of a 2nd year college student. Students engage in analytical reading and writing, collaborative study groups, critical thinking, and a book study. Students are presented and supported through college-bound activities, methodologies, and tasks that include applications for college, FAFSA, scholarships, and career exploration.

# English as a Second Language

## English SOL IA

**[B15510 ENGSOLIA 03200600]**

*Grade: 9* *Credit: 1* *PR: LPAC*

English SOL IA students are expected to plan, draft, edit, and revise written compositions on a regular basis in a variety of forms including literary, expository and argumentative texts. An emphasis is placed on organizing logical arguments with clearly expressed related definitions, thesis, and evidence. The ENGSOL IA course is designed for intermediate English-speaking students and emphasizes developing listening, speaking, reading, and writing skills.

## English SOL IB

**[B15520 ENGSOLIA 03200600]**

*Grade: 9* *Credit: 1* *PR: LPAC*

English SOL IB students are expected to read across multiple genres, at different proficiency levels, from world literature, including selected stories, dramas, novels, poetry, and informational texts. This course asks students to explore the possible influences of the historical context on a literary work and respond to these texts by regularly planning, drafting, editing, and revising written compositions in various forms, such as literary analysis, expository essays, and argumentative writing. The ENGSOL IB course is designed for beginning English-speaking students, who have been in the country for a year or more. It emphasizes developing listening, speaking, reading, and writing skills.

## English SOL IIA

**[B15530 ENGSOL2A 03200700]**

*Grades: 10-12* *Credit: 1* *PR: LPAC*

English SOL II A English students read extensively across multiple genres from world literature, including selected stories, dramas, novels, poetry, and informational texts. Students learn literary forms and terms associated with the selections being read and interpret the possible influences of the historical context on a literary work. This course asks students to respond to these texts by regularly planning, drafting, editing, and revising written compositions in various forms, such as literary analysis, expository essays, and argumentative writing. ENGSOL IIA course is designed for intermediate English-speaking students and emphasizes developing listening, speaking, reading and writing skills.

## English SOL IIB

**[B15540 ENGSOL2A 03200700]**

*Grades: 10-12* *Credit: 1* *PR: LPAC*

English SOL II B English students read extensively across multiple genres of world literature, including selected stories, dramas, novels, poetry, and informational texts. Students learn literary forms and terms associated with the selections being read and interpret the possible influences of the historical context on a literary work. This course asks students to respond to these texts by regularly planning, drafting, editing, and revising written compositions in various forms, such as literary analysis, expository essays, and argumentative writing. The ENGSOL IIB course is designed for intermediate English-speaking students, who have been in the country for two years or more. It emphasizes developing listening, speaking, reading, and writing skills.

## Reading I ESL

**[B15560 READ 1 ESL 03270700]**

*Grades: 9-12* *Credit: 1/2-1* *PR: LPAC*

This course is designed for students in need of additional practice in reading and writing fundamentals. Students will be given opportunities to locate information in varied sources, to read critically, to evaluate sources, and to draw supportable conclusions. Students will learn how various texts are organized and how authors choose language for communicating effectively to the reader. All of these strategies will be applied in texts across all content areas. This course in ESL reading is designed for beginning English-speaking students in grades 9-12 and focuses on the development of reading through comprehension strategies, study techniques, and composition.-

## Reading II ESL

**[B15570 READ 2 ESL 03270800]**

*Grades: 9-12* *Credit: 1/2-1* *PR: LPAC*

This course is designed for students in need of additional practice in reading and writing fundamentals. Students will be given opportunities to locate information in varied sources, to read critically, to evaluate sources, and to draw supportable conclusions. Students will learn how various texts are organized and how authors choose language for communicating effectively to the reader. All of these strategies will be applied in texts across all content areas. This course in ESL reading is designed for intermediate English-speaking students in grades 9-12. The course seeks to provide continued development in reading through comprehension strategies, study techniques, and composition.

### Independent Study in English ESL
**[B15500 INDENG ESL 03221800]**
*Grades: 9-12 Credit: 1/2-1*
PR: LPAC and concurrent enrollment in English SOL 1A and 1st year in US Schools.
This course is designed for Beginning and Intermediate English language learners in grades 9-12. The course will provide the foundational skills for listening, speaking, reading, and writing in English. Emphasis will be placed on language acquisition through the development of academic English and literacy across content areas. Students will work on building reading skills, grammar and writing conventions. Students who complete this course successfully are eligible to receive 0.5 credits for Speech.

### English Language Development Acquisition (ELDA)
**[B15780 ELDA I 03200800]**
*Grades: 9-10 Credit: 1*
PR: Newcomer students; 1st year in US schools and with gaps in education. LPAC and concurrent enrollment in English SOL 1A
English Language Development and Acquisition (ELDA) is designed to provide instructional opportunities for secondary recent immigrant students with little or no English proficiency. These students have scored at the negligible/very limited academic language level of the state-approved English oral language proficiency tests. This course enables students to become increasingly more proficient in English in all four language domains. It addresses cognitive, linguistic, and affective needs.

# Mathematics

### Algebra I
**[B25130 ALG I 03100500]**
*Grade: 9 Credit: 1 PR: 8th grade math or equivalent*
This course will build on the knowledge and skills acquired in middle school mathematics. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Graphing technology is used as an integral part of instruction throughout this course.

### Geometry
**[B25340 GEOM 03100700]**
*Grades: 10-11 Credit: 1 PR: Algebra I*
Students will connect previous knowledge by exploring concepts covering coordinate & transformational geometry, logical arguments and constructions, proof and trigonometry, 2D and 3D figures; circles and probability. Students apply geometric properties to real-world situations. The course also provides students the opportunity to study and analyze three-dimensional objects.

### Geometry Honors
**[B20870 GEOM GT H 03100700]**
*Grades: 9 Credit: 1 PR: Algebra I*
**[B25359 GEOM H 03100700]**
*Grades: 10-11 Credit: 1 PR: Algebra I*
Students will connect previous knowledge by exploring concepts covering coordinate & transformational geometry, logical arguments and constructions, proof and trigonometry, 2D and 3D figures; circles and probability. Students apply geometric properties to real-world situations. The course also provides students the opportunity to study and analyze three-dimensional objects. The Geometry Honors course places an emphasis on a greater depth in all topics.

### Algebraic Reasoning
**[B26640 ALGREA 03102540]**
*Grades: 11-12 Credit: 1 PR: Algebra I*
In this course, students will build on and extend previous knowledge of algebraic concepts. Students will continue to develop mathematical reasoning related to algebraic understandings and processes. Students will study a variety of functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data.

### Statistics
**[B26650 STATS 03102530]**
*Grades: 11-12 Credit: 1 PR: Algebra I*
Students will build on the knowledge and skills for mathematics in Kindergarten - Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis. In order to help students be successful, it is recommended that students have additional math classes before enrolling in this class.

### Algebra II

**[B25200 ALG2 03100600]**
*Grades: 10-12 Credit: 1 PR: Algebra I*
This course continues from Algebra I and extends the study of functions to include quadratic functions, square root functions, rational functions, exponential functions and logarithmic functions. The relationship between algebra and geometry is also illustrated in the study of conic sections. Graphing technology is used throughout this course.

## Algebra II Honors

**[B25229 ALG 2 GT H 03100600]**
*Grades: 10 Credit: 1 PR: Algebra I*
**[B25219 ALG 2 H 03100600]**
*Grades: 10 Credit: 1 PR: Algebra I*
The Honors course in Algebra II follows the scope and sequence of the general education Algebra II course. Throughout the course the emphasis is on a greater depth in preparation for AP level courses.

## Precalculus

**[B25400 PRECALC 03101100]**
*Grades: 11-12 Credit: 1 PR: Alg I, Alg II, Geometry*
This course is designed to deepen students' mathematical understanding and fluency with algebra and trigonometry. It extends their ability to make connections and apply concepts and procedures at higher levels. While it prepares students to enter Calculus and other advanced courses, it also provides a strong foundation for the use of mathematical models in real-world situations. Graphing technology is used throughout this course.

## AP Precalculus

**[B25589 APPRECALC A3100100]**
*Grades: 10-12 Credit: 1 PR: Alg I, Alg II, Geometry*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. AP Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. During this course, students acquire and apply mathematical tools in real-world modeling situations in preparation for using these tools in college-level calculus. Students enrolled in this course will be required to take the AP Exam.

## AP Calculus AB

**[B25519 APCALAB A3100101]**
*Grades: 11-12 Credit: 1 PR: Precalculus*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. Course content includes the study of continuity, limits, derivatives, integration, basic differential equations, and the definite integral. Graphing technology is used throughout this course. Students are required to take the AP Exam.

## AP Calculus BC

**[B25529 APCALBC A3100102]**
*Grade: 11-12 Credit: 1 PR: Precalculus*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. Students continue the study of calculus with topics such as Taylor polynomials and approximations, advanced techniques of integration, improper integrals, logistic differential equations, parametric, polar, and vector functions. Graphing technology is used throughout this course. Students are required to take the AP Exam.

## AP Statistics

**[B25539 APSTATS A3100200]**
*Grades: 10-12 Credit: 1 PR: Geometry & Algebra II*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. This course consists of a full year of work in exploratory analysis of data, planning a study, probability, and statistical inference. In college, at least one statistics course is typically required for majors such as engineering, psychology, sociology, health sciences and business. Graphing technology is used as an integral part of instruction throughout this course. Students are required to take the AP Exam.

## College Testing Prep Course

**[96301/2 or 96304 PSAT/SAT/ACT B5000002]**
*Grade: 9-12 Credit: ½ local*
The PSAT/SAT preparation course includes the reading, writing, and math content and skills to prepare students for taking the PSAT/SAT and TSI college tests.

# Science

## Biology

**[B35140 BIO 03010200]**

*Grades: 9-10 Credit: 1*

In Biology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics, including biomolecules and structures and functions of cells and viruses; mechanisms of genetics; biological evolution; matter cycling and energy flow in organisms; living systems; and ecosystems and the environment.

## Biology Honors

**[B35189 BIO H 03010200]**

*Grades: 9-10 Credit: 1*

This course explores the same concepts as biology using Honors strategies. Use of these strategies coupled with depth and complexity of concepts in preparation for AP science courses.

## Integrated Physics and Chemistry (IPC)

**[B35740 IPC 03060201]**

*Grades: 9 - 11 Credit: 1*

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy and matter.

## Chemistry

**[B35400 CHEM 03040000]**

*Grades: 10-12 Credit: 1*

PR: Successful Completion Biology and Algebra I

In Chemistry, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

## Chemistry Honors

**[B35429 CHEM GT 3040000]**

*Grades: 9 Credit: 1 PR: Biology 8 Honors/GT*

**[B35419 CHEM H 03040000]**

*Grades: 10-12 Credit: 1*

PR: Successful Completion Biology and Algebra I

This course explores the same concepts as general ed chemistry using Honors strategies. Use of these strategies coupled with depth and complexity of concepts in preparation for AP science courses.

## Physics

**[B35500 PHYSICS 03050000]**

*Grades: 10-12 Credit: 1 PR: Successful Completion Algebra I*

In Physics, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

## AP Biology

**[B35199 APBIO A3010200]**

*Grades: 11-12 Credit: 1 PR: Biology; Completion of or Concurrent Enrollment in Chemistry*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. Advanced Placement Biology, a college level biology course, involves more in-depth treatment of biological topics-the study of life. Research, field work, and laboratory experiences are an integral part of the course. Students must be active investigators, using higher-order thinking skills. Students will be required to take an AP exam.

## AP Chemistry

**[B35439 APCHEM A3040000]**

*Grades: 10-12 Credit: 1 PR: Chemistry; Completion of or Concurrent Enrollment in Algebra 2*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. Advanced Placement Chemistry, a college-level chemistry course, involves more in-depth treatment of solution chemistry, organic chemistry, biochemistry, and analysis of substances. Research, field work, and

laboratory experiences are an integral part of the course. Students must be active investigators, using higher-order thinking skills. Students will be required to take the AP exam.

## AP Physics 1: Algebra-Based

**[B35529 APPHYS1 A3050003]**

*Grades: 10-12 Credit: 1 PR: Alg 1 and Geometry; Completion of or Concurrent Enrollment in Alg 2*

Advanced Placement Physics, a college-level physics course, involves content organized around seven underlying principles called the big ideas, which encompass the core scientific principles, theories, and processes of physics that cut across traditional content boundaries and provide students a broad way of thinking about the physical world. This approach will enable students to spend less time on mathematical routines and more time engaged in inquiry-based learning of essential concepts, and it will help them develop the critical thinking and reasoning skills necessary to engage in the science practices used throughout their study of this course. Students will be required to take the AP exam.

## AP Physics 2: Algebra-Based

**[B36499 APPHYS2 A3050004]**

*Grades: 11-12 Credit: 1*

*PR: Physics or AP Physics 1 & Completion of or Concurrent Enrollment in Precalculus*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. Advanced Placement Physics, a college-level physics course, involves content organized around seven underlying principles called the big ideas, which encompass the core scientific principles, theories, and processes of physics that cut across traditional content boundaries and provide students a broad way of thinking about the physical world. This approach will enable students to spend less time on mathematical routines and more time engaged in inquiry-based learning of essential concepts, and it will help them develop the critical thinking and reasoning skills necessary to engage in the science practices used throughout their study of this course. The content for this course offers additional depth and topics not introduced in AP Physics 1 such as mechanics, electricity, nuclear physics, quantum physics, and magnetism. Students will be required to take the AP exam.

## AP Physics C: Electricity and Magnetism

**[B36484 APPHYSCE A3050002]**

*Grades: 11-12 Credit: 1*

*PR: AP Physics 1 or 2 and Completion of or Concurrent Enrollment in Calculus*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. AP Physics C is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. Students will be required to take an AP exam.

## AP Physics C: Mechanics

**[B36424 APPHYSCM A3050006]**

*Grades: 11-12 Credit: 1*

*PR: AP Physics 1 or 2 and Completion of or Concurrent Enrollment in Calculus*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. AP Physics C is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. Students will be required to take an AP exam.

## AP Environmental Science

**[B35329 APENVIR A3020000]**

*Grades 10-12 Credit: 1 PR: Alg 1 and 2 yrs HS lab science*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. Advanced Placement Environmental Science, a college-level environmental science course, involves a more in-depth treatment of scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students will be required to take an AP exam.

## Astronomy

**[B35600 ASTRMY 03060100]**

*Grade: 11-12 Credit: 1 PR: Algebra I and IPC or Chemistry*

Astronomy is an advanced science course for students that have passed Algebra I and either Integrated Physics and Chemistry or

Chemistry. It is designed to allow students an opportunity to conduct laboratory and field investigations, use scientific methods, and work collaboratively to make informed decisions using critical thinking and scientific problem-solving skills. Students will study astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration.

### Environmental Systems
**[B35300 ENVIRSYS 03020000]**
*Grade: 11-12 Credit: 1 PR: Biology & 1 Physical Science*
Environmental Systems is for students who have passed Biology and need an elective science course. Students who have earned credit for Environmental Systems Pre-Biology, are not eligible for this course. In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. Students will assess the plant ecosystem, erosion processes, petroleum energy, crop production, and genetically engineered plants and their importance to solving world hunger.

# Social Studies

### World Geography Studies
**[B45140 WGEO 03320100]**
*Grade: 9 Credit: 1*
Students enrolled in this course will study the interaction of man and his environment in space and time. This study includes current developments around the world which affect physical and cultural settings.

### World Geography Studies Honors
**[B45549 W GEO H 03320100]**
*Grade: 9 Credit: 1*
This course is designed to provide students an opportunity to obtain a more in-depth study of the interaction of man and his environment in space and time. Emphasis is placed on the development of knowledge, skills, and attitudes that will enable students to research projects, analyze materials and draw conclusions based on academic reasoning in preparation for AP Social Studies courses.

### World Geography Studies Honors-Dual Language
**[45571/2 W GEO H DUAL LANG]**
*Grade: 9 Credit: 1*
This course is designed to provide students an opportunity to obtain a more in-depth study of the interaction of man and his environment in space and time. Emphasis is placed on the development of knowledge, skills, and attitudes that will enable students to research projects, analyze materials and draw conclusions based on academic reasoning in preparation for AP Social Studies courses. This course is only offered at MacArthur HS.

### AP Human Geography
**[B45189 APHUMGEO A3360100]**
*Grade: 9-12 Credit: 1*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of the Earth's surface. Students will employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. The AP Human Geography exam is mandatory and may result in students earning college credit hours. This course may be substituted for World Geography Studies. Students will be required to take the AP exam.

### World History Studies
**[B45440 W HIST 03340400]**
*Grade: 10 Credit: 1*
In this course, students will participate in a survey study of world history and of world cultures, their problems and their achievements from earliest times. Students will acquire a greater insight and understanding of their own times and own country as a major player on the world stage. Major concentration is on those events which have shaped the modern world.

### World History Studies Honors
**[B45479 W HIST H 03340400]**
*Grade: 10 Credit: 1*
This program is designed to provide students an opportunity to obtain a more in-depth study of world history. Emphasis is placed on developing knowledge, skills, and attitudes that will enable students to research projects, analyze materials, and draw conclusions based on academic reasoning. Course content includes studies of the history and development of a variety of world cultures in preparation for AP Social Studies courses.

## AP World History Studies

**[B45489 AP W HIST A3340400]**

*Grade: 10* *Credit: 1*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. In AP World History students investigate significant events, individuals, developments, and processes in the period from approximately 1200 C.E. to the present. The course also addresses prerequisite information about the period of approximately 8000 B.C.E. to 1200 C.E. to provide the necessary context to understand modern World History. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. Students will be required to take the AP exam.

## United States History Studies Since 1877

**[B45340 US HIST 03340100]**

*Grade: 11* *Credit: 1*

Content for the second-year study of United States history includes significant events, issues, and problems after the period of Reconstruction, emphasizing present-day issues that have their roots in the past.

## United States History-Dual Credit (H)

**[B45359 US HIST H/DC 03340100]**

*Grade: 11* *Credit: 1*

This course will provide students the opportunity to enroll in North Lake College courses History 1301 and 1302. The first semester will be devoted to the history of the United States, beginning with the European background and first discoveries. The second semester will encompass the history of the United States from the Reconstruction era to the present day. This course meets graduation requirements for high school and college credit.

## AP United States History

**[B45369 APUSHIST A3340100]**

*Grade: 11* *Credit: 1*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. In preparation for the advanced placement U.S. History comprehensive examination, this course will provide an in-depth study of U. S. History from discovery to the present. The program is designed to provide information and skills with an intensive focus on writing. The AP U. S. History exam is mandatory and may result in students earning college credit hours. Students will be required to take the AP exam.

## United States Government

**[45234 GOVT 03330100]**

*Grade 12* *Credit: 1/2*

This course is a general survey of the development and mechanics of the United States government. It includes studies in the following areas: foundations of American government, federalism, legislative branch, executive branch, and judicial branch. This course may be offered as an online course.

For online courses info access: www.irvingisd.net/Page/2790

## United States Government-Dual Credit (H)

**[45244 GOVT/H/DC 03330100]**

*Grade: 12* *Credit: 1/2*




Students will have the opportunity to enroll in a North Lake College American government survey course. This one-semester course will be devoted to the three branches of government, the legislative process, the executive and bureaucratic structure, the judicial process, civil rights and liberties, and domestic policies. This course meets the graduation requirements for high school and college credit.

## AP United States Government

**[45254 APUSGOVT A3330100]**

*Grade: 12* *Credit: 1/2*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. This course provides an in-depth study of the American government. Emphasis is placed on concepts of political participation, leadership, decision-making, political institutions, nature of laws, and the rights and responsibilities of American citizenship. Students are required to take the AP exam.

## AP Government and Politics: Comparative

**[45284 APCPGOVT A3330200]**
*Grade: 12 Credit: 1/2*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. Prerequisite - Government & Politics: United States AP
This course will provide students with the conceptual tools necessary to develop an understanding of some of the world's diverse political structures and practices. The course encompasses the study of both specific countries and their governments and general concepts used to interpret the political relationships and institutions found in virtually all national politics. Students are required to take the AP exam.

## Economics with Emphasis on the Free Enterprise System & Its Benefits

**[46134 ECO-FE 03310300]**
*Grade: 12 Credit: 1/2*
The purpose of this course is to develop an understanding and an appreciation of the principles of economics. Students will study the fundamentals of the American free enterprise system and learn how to become full participants in the American economic and political systems. This course may be added as an online course.
For online courses info access: www.irvingisd.net/Page/2790




## Economics with Emphasis on the Free Enterprise System-Dual Credit (H)

**[46144 ECO-FE H/DC 03310300]**
*Grade: 12 Credit: ½*
Students will have the opportunity to enroll in a North Lake Community College economics course. This one-semester course emphasizes national income determination, money and banking, the role of monetary and fiscal policy, international trade and finance. This course meets the graduation requirements for high school and college credit.

## AP Economics: Macro with Emphasis on the Free Enterprise System & Its Benefits

**[46154 APMACECO A3310200]**
*Grade: 12 Credit: 1/2*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. In addition to stressing the merits of the free enterprise system, our economy will be compared with other economies by examining the role and importance of economic theory, markets, and competition. Higher-level thinking skills will be a vital part of this course of study. Students are required to take the AP exam.

## Personal Financial Literacy- Economics

**[45884 PFL-ECO 03380083]**
*Grade: 12 Credit: 1/2*
The Personal Financial Literacy and Economics Course emphasizes the economic way of thinking, which serves as a framework for the personal financial decision-making opportunities introduced in the course. Students will demonstrate the ability to anticipate and address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to common economic and personal financial planning terms and concepts. Through their studies in this combined Personal Financial Literacy and Economics course, students will gain the ability to lead productive and financially self-sufficient lives.

## AP European History

**[B45499 APEUHIST A3340200]**
*Grade: 12 Credit: 1*
AP European History is an introductory college-level European history course. Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.

## Psychology

**[45514 PSYCH 03350100]**
*Grades: 11-12 Credit: 1/2*
This course provides an opportunity for the student to study some of the elements of individual and social psychology. They will learn how the knowledge and methods of psychology are applied to the solution of human problems. Content for the course is designed to give students some insight into human behavior and attitude development relating to ideas and people. This course may be offered as an online course.
For online courses info access: www.irvingisd.net/Page/2790



## AP Psychology
**[45524 APPSYCH A3350100]**
*Grades: 11-12 Credit: 1/2*
Students will learn the foundational concepts that detail how and why people think and behave the way they do, connecting psychological concepts and theories to real-life scenarios, and analyzing research studies in psychology. The AP exam is mandatory and may result in the student earning college credit hours.

## Investigations of Psychology Honors
**[45564 PSYCHINV H 3380032]**
Grades: 11-12 Credit: 1/2
2nd Semester course for AP Psychology.

## Sociology
**[45614 SOC 03370100]**
*Grades: 11-12 Credit: 1/2*




Sociology is the study of human social groups. Various group types are examined in an attempt to understand man's social behavior. Topics include the urban community, the handicapped, teen peer groups, as well as social problems such as slums and juvenile delinquency. Current events, projects and an independent research paper may be required. This course may be offered as an online course.
For online courses info access: www.irvingisd.net/Page/2790

## Social Studies Research Methods Honors Academic Decathlon
**[45804 SSRES H 03380003]**
*Grades: 10-12 Credit: 1/2 PR Teacher R*
In this elective course, students will conduct advanced research on a selected topic in social studies using qualitative and quantitative methods of inquiry. Essay writing, testing, public speaking, higher level and critical thinking skills will be stressed. Emphasis is on preparation for Academic Decathlon.

## Special Topics in Social Studies Honors Academic Decathlon
**[45744 SPTSS H 03380002]**
*Grades: 10-12 Credit: 1/2 PR: Teacher R*
This elective course provides students the opportunity to apply the knowledge and skills of the social sciences to a variety of topics and issues. Problem solving and decision making are important elements of the course as is the communication of information in written, oral, and visual forms. Emphasis is on preparation for Academic Decathlon.

## Special Topics-African American Studies
**[45734 SPTSS3 03380032]**
*Grades: 9-12 Credit: 1/2*
African American studies is a one-semester course of African American history with emphasis on African heritage and the history of the African American experience, including recent events.

## Special Topics-Juvenile Justice and Civic Responsibility
**[45764 SPTSS4 03380042]**
*Grades: 9-12 Credit: 1/2*
This problem-based course is designed to provide students with practical information and problem-solving opportunities that will help them succeed in our law-related society. They will have the opportunity to discuss and analyze the most current law-related public issues.

## Special Topics-Latin American Studies
**[45724 SPTSS2 03380022]**
*Grades: 9-12 Credit: 1/2*
Students enrolled in this course will examine the land, people, and history of Hispanic America (Mexico, Central America, and South America) from pre-Columbian cultures to the present. The relationship between Latin America and the U.S. in international issues will also be addressed.

## Special Topics-Dual Language
**[45824 SPTSS DUAL LANG 03380002]**
*Grades:9-12 Credit 1/2*
Students enrolled in this course will provide students the opportunity to apply the knowledge and skills of the social sciences to a variety of topics and issues.

# Physical Education

***Students are encouraged to take PE during the 9th and 10th grade.***

### Lifetime Fitness and Wellness Pursuits

**[56111/2 LIFEFIT PES00051]**

*Grades:9-12 Credit 1*




Lifetime Fitness and Wellness Pursuits offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. This course equips students to assess individual fitness levels according to the five components of health-related fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design fitness programs to meet their individual fitness goals. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness.

This course may be offered as an online course.

For online courses info access: www.irvingisd.net/Page/2790

### Skill-Based Lifetime Activities

**[56121/2 SBLIFE PES00056]**

*Grades:9-12 Credit 1*

Skill-Based Lifetime Activities offers students the opportunity to demonstrate mastery in the basic sports skills, basic sport knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness. Students participate in a minimum of one lifelong activity from each of the following five categories during the course. Those are: (A) Target games (B) Striking and fielding (C) Fitness activities (D) Rhythmic activities and (E) Innovative games and activities with international significance.

### Lifetime Recreation and Outdoor Pursuits

**[56161/2 LIFEROP PES00053]**

*Grades:9-12 Credit 1*

Lifetime Recreation and Outdoor Pursuits provides opportunities for students to develop skills and competency in five or more life-long recreational and outdoor pursuits by using an integrated curriculum of science, math, writing, critical thinking skills, and technology. The focus is on outdoor activities such as: archery, orienteering, survival skills, CPR/first aid, trip planning, angling, hiking, backpacking, camping, outdoor cooking, and conservation/environmental issues.

# Health

### Health Education

**[55144 HITH ED 03810100]**

*Grades: 9-12 Credit: 1/2*




In this course, the following areas are covered: mental health, tobacco, alcohol and drugs, body systems, nutrition, consumer education, safety and first aid, CPR, environmental health, diseases, reproductive health, and human growth and development. This course may be offered as an online course .

For online courses info access: www.irvingisd.net/Page/2790

# Athletics

***All athletics must be approved by a coach.***

Baseball
Basketball Boys
Basketball Girls
Cross Country Boys
Cross Country Girls
Football
Golf (fall tryout)
Soccer Boys
Soccer Girls
Softball

Swimming
Tennis
Track Boys
Track Girls
Trainer
Volleyball
Water Polo Boys
Water Polo Girls
Wrestling Boys
Wrestling Girls

### Trainer I-IV

[57501/2-9th]
[57811/2-10th]
[58121/2-11th]
[58131/2-12th SUBATH PES00000]

*Grades 9-12 Credit 1/2-1*

This course is designed for athletic training students. Students will gain an understanding of the treatment, rehabilitation and prevention of athletic injuries. Students will be instructed in basic First Aid including, but not limited to, modalities, stretching techniques, and basic first aid.

# Languages Other Than English

*District Criteria: Students will be assigned to a language class based on their readiness, as determined by a district placement instrument. Those who complete the district placement process will also be accredited for the levels they are placed in. For instance, if a student is placed in Spanish 3, they will receive credit for both Spanish 1 and 2.*

### French and Spanish Level I

**[65101/2 FREN 1 03410100]**
**[B65410 SPAN 1 03440100]**

*Grades: 9-12 Credit: 1*

Level I introduces the beginning foreign language student to the basic reading, speaking, and writing skills and concepts necessary for communication in daily situations. Pronunciation skills will be developed through the accurate reproduction of native sounds. French is only offered at Irving and MacArthur High School.

### French and Spanish Level II

**[65111/2 FREN 2 03410200]**
**[B65420 SPAN 2 03440200]**

*Grades: 9-12 Credit: 1 PR: Level I or District Criteria*

Level II reviews the basic structures learned in Level I and continues with additional structures, expressions, and vocabulary. Listening and speaking skills will continue to be developed. Conversation in different social situations will be stressed through creative oral activities. French is only offered at Irving and MacArthur High School.

### French and Spanish Level III Honors

**[65131/2 FREN 3 H 03410300]**
**[65441/2 SPAN 3 H 03440300]**

*Grades: 10-12 Credit: 1 PR: Level II or District Criteria*

During the third year of study, students are provided opportunities to comprehend native speakers in controlled situations, sustain conversation on familiar subjects, do intensive and extensive reading, and write original compositions. Activities are geared toward the development of higher-level and critical-thinking skills, which address a variety of learning styles. French is only offered at Irving and MacArthur High School.

### AP French Language Level IV
**[65141/2 APFR LAN A3410100]**
*Grades: 11-12 Credit: 1 PR: French III or District Criteria*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. Emphasis is placed on the use of French for active communication as the student develops a deeper understanding of spoken French in various contexts, and a vocabulary sufficiently ample for reading newspaper and magazine articles, literary texts, and other non-technical writings without dependence on a dictionary. Extensive training in organizing and writing compositions is emphasized. Students will be required to take the AP exam. French is only offered at Irving and MacArthur High School.

### AP Spanish Language Level IV
**[65451/2 APSPALAN A3440100]**
*Grades: 9-12 Credit: 1 PR: Spanish III or District Criteria*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. AP Spanish Language emphasizes the use of Spanish for active communication and encompasses listening and speaking skills, reading comprehension, grammar, and composition. Course objectives help students to learn at a higher level to comprehend formal and informal spoken Spanish as well as accurate reading of newspaper and magazine articles and synthesis of several sources. Students will be required to take the AP exam.

### AP Spanish Literature Level V
**[65471/2 APSPA LIT A3440200]**
*Grades: 11-12 Credit: 1 PR: AP Spanish Language*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. Students read and analyze selected works from Spain and Latin American Literature. This is done both orally and in writing. Students are prepared to understand a lecture in Spanish and to participate actively in discussions on literary topics in Spanish. Required authors include Jorge Luis Borges, Federico Garcia Lorca, Gabriel Garcia Márquez, Ana Maria Matute, and Miguel de Unamuno. Students will be required to take the AP exam.

### Spanish Seminar
**[65521/2 or 65524 SEMSPANI 03440910]**
*Grades: 9-12 Credit: 1 PR: Spanish I, II, III*
This course will offer students the opportunity to gain and develop a deeper understanding of the spoken Spanish language and the diversity of the Spanish speaking countries and their cultures.

### Advanced Language for Career Applications
**[65541/2 ADVLCA 11403700]**
*Grades: 10-12 Credit: 1 PR: Spanish III*
This course provides students with instruction in terminology that prepares students to communicate in a language other than English in a professional, business, or industry setting. Students will learn how to communicate in the target language and use culturally appropriate language when addressing diverse audiences in different workplace environments.

# Visual Arts

### Art I
**[B66100 ART I 03500100]**
*Grades: 9-12 Credit: 1*
Art I is a foundation course for the student who plans to pursue advanced studies in art and for the student who simply enjoys creating and learning about art. This course provides students with experience expressing themselves imaginatively through drawing, painting, sculpture, ceramics, fibers, and printmaking.This course may be offered as an online course.
For online courses information access: www.irvingisd.net/Page/2790



in

### Art I, Art Appreciation Honors Dual Credit 1301
**[66114 ARTIAPP 03500110]**
Grades: 9-12 Credit: .5- 1
This is a Texas Common Course Number. This is a Dallas College Core Curriculum course.
Students will gain a general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts. (3 Lec.)
Coordinating Board Academic Approval Number 5007035126

## Art Appreciation 66114

**[16674 ART 1APP H/DC 03500110]**

Grades: 9-12 Credit: .5

This is a Texas Common Course Number. This is a Dallas College Core Curriculum course.

This course is an exploration of the purposes and processes in the visual and performing arts (such as music, painting, architecture, drama and dance) and the ways in which they express the values of cultures and human experience. (3 Lec.)

Coordinating Board Academic Approval Number 5001015126

## Art II Ceramics

**[66231/2 ART 2 CRMC 03500900]**

*Grades: 10-12 Credit: 1 PR: Instructor Approval/Art I*

Students will apply the elements and principles of design to work in clay. In Ceramics II, the student will learn to create functional and non-functional clay pieces using pinch, coil, and slab techniques. As the student progresses, they will learn to use the potter's wheel and explore a variety of glazes and firing processes. Students will be required to keep a sketchbook.

## Art II Drawing

**[66201/2 ART2DRAW 03500500]**

*Grades: 10-12 Credit: 1 PR: Instructor Approval/Art I*

The serious art student will explore drawing in its many forms by using a wide variety of media and techniques. Students will use drawing as a source of inspiration for works of art in other two and three-dimensional media. Students will be required to keep a sketchbook and present a portfolio of work. This class is a prerequisite for AP 2D and AP Studio Art Drawing Portfolio.

## Art II Fibers

**[66221/2 ART 2 FBRS 03500800]**

*Grades: 10-12 Credit: 1 PR: Instructor Approval/Art I*

Students will work with yarn, fibers, and fabrics and will explore quilting, weaving, basketry, tie-dying, and batik. Students will create wearable, usable, and decorative items and will study the importance of the textile arts in history. Students will keep a sketchbook and present a portfolio of work.

## Art II Jewelry– Making

**[66241/2 ART2JWLR 03501100]**

*Grades: 10-12 Credit: 1 PR: Instructor Approval/Art I*

Students will apply the elements and principles of design to jewelry. Beginning students will learn basic fabricating techniques and will work with precious and non-precious metals, glass, wood, and other materials. Students will also learn the techniques of soldering and casting. Students will keep a sketchbook and present a portfolio of work.

## Art II Painting

**[66211/2 ART2PATG 03500600]**

*Grades: 10-12 Credit: 1 PR: Instructor Approval/Art I*

This class will familiarize the student who has excellent drawing and design skills with wet media techniques and production. Media used will include, but will not be limited to, watercolor, oil, acrylic, tempera, and ink. Students will explore color theory and historical styles in painting and will complete realistic, abstract, and non-objective work. Students will be expected to keep a sketchbook and present a portfolio of work.

## Art II Sculpture

**[66251/2 ART2SCLP 03501800]**

*Grades: 10-12 Credit: 1 PR: Instructor Approval/Art I*

Students will apply the elements and principles of design to sculpture. The serious art student will explore a variety of media such as wood, wire, plaster, and found objects for three-dimensional sculptures. Students will be required to keep a sketchbook and present a portfolio of work.

## Art III Ceramics

**[66331/2 ART3CRMC 03501800]**

*Grades: 11-12 Credit: 1 PR: Instructor Approval/Ceramics II*

Students will continue to develop advanced skills in hand building and wheel thrown work. A strong emphasis will be placed upon personal expression and the refinement of form in functional and sculptural ceramics. Students will explore a variety of glazes and firing processes and will formulate their own glazes. Students will be required to keep a sketchbook and present a portfolio of work.

## Art III Drawing

**[66301/2 ART3DRAW 03501300]**

*Grades: 11-12 Credit: 1 PR: Instructor Approval/Drawing II*

Students will continue to strengthen skills in drawing with a variety of media and techniques. A strong emphasis will be placed on

developing a personal style of drawing. Each student will work independently on a variety of assignments. Students will be required to keep a sketchbook and present a portfolio of work.

### Art III Fibers
**[66321/2 ART3FBRS 03501600]**
*Grades: 11-12 Credit: 1 PR: Instructor Approval/Art II Fibers*
Students will build upon experiences gained in Fibers II. An emphasis will be placed upon personal expression and selection of media and technique. Students will research fiber-related topics and will create a series of fiber constructions. Students will be required to keep a sketchbook and present a portfolio of work.

### Art III Jewelry-Making
**[66341/2 ART3JWLR 0350200]**
*Grades: 11-12 Credit: 1*
*PR: Instructor Approval/Art II Jewelry*
Students will continue to develop skills in jewelry fabrication and casting. Advanced techniques, such as multiple stage soldering, and stone setting will be introduced. The historical, cultural, and ceremonial aspects of jewelry as a form of art and human adornment will be examined. Students will be required to keep a sketchbook and present a portfolio of work.

### Art III Painting
**[66311/2 ART3PATG 03501400]**
*Grades: 11-12 Credit: 1 PR: Instructor Approval/Art II Painting*
Students will build upon experiences gained in Painting II. An emphasis will be placed upon personal expression and selection of media and technique. Students will research contemporary and historical painters and will create a series of paintings. Students will be required to keep a sketchbook and present a portfolio of work.

### Art III Sculpture
**[66351/2 ART3SCLP 03501900]**
*Grades: 11-12 Credit: 1 PR: Instructor Approval/Art II Sculpture*
Students will continue to apply the principles and elements of design to the creation of works in wood, wire, clay, plaster, sheet metal, and found objects. Students will be required to keep a sketchbook and present a portfolio of work.

### Art IV Ceramics
**[66431/2 ART4CRMC 03502700]**
*Grade: 12 Credit: 1*
*PR: Instructor Approval/Art III Ceramics*
Students will create a thematic portfolio of ceramic work in an area approved by the instructor. The scope of the portfolio will demonstrate exemplary achievement in hand building, wheel throwing, and glazing techniques. Students should have a minimum of ten exhibition quality pieces for their portfolios. Students will be required to keep a sketchbook and present a portfolio of work.

### Art IV Drawing
**[66401/2 ART4DRAW 03502300]**
*Grades: 12 Credit: 1*
*PR: Instructor Approval/Art III Drawing*
Each student will continue to work independently to more firmly establish a personal style of drawing that illustrates their expertise in a wide range of media/ techniques. Students will be required to keep a sketchbook and present a portfolio of work.

### Art IV Fibers
**[66421/2 ART4FBRS 03502600]**
Grade: 12 Credit: 1
PR: Instructor Approval/Art III Fibers
Fibers IV is an advanced studio course for the serious student interested in fibers. Personal expression will be an emphasis in a fiber media (yarn, rope, raffia and other materials) that the student excelled in working with in Fibers III. Students will study the history of fibers from prehistoric to post-modern times. Students will be required to keep a sketchbook and present a portfolio of work.

### Art IV Jewelry-Making
**[66441/2 ART4JWLR 03502900]**
Grade: 12 Credit: 1
PR: Instructor Approval/Art III Jewelry
Students will continue to apply the elements and principles of design to jewelry making while developing skills in using such advanced techniques as multiple stage soldering and stone setting. Gem analysis and identification by name and grade will be added. Students will create a thematic portfolio of jewelry in an area approved by the instructor. Students will be required to keep a sketchbook and present a portfolio of work.

### Art IV Painting
**[66411/2 ART4PAIN 03502400]**
*Grade: 12* *Credit: 1*
*PR: Instructor Approval/Painting III*
Each student will work independently to establish a personal style of painting. Each student will exhibit a body of work that reflects a concentration of their expertise in a wide range of media and techniques. Students will be required to keep a sketchbook and present a portfolio of work.

### Art IV Sculpture
**[66491/2 ART4SCLP 03502800]**
Grade: 12 Credit: 1 *PR: Instructor Approval/Art III Sculpture*
Each student will continue to work independently to more firmly establish a personal style of sculpture that illustrates their expertise in a wide range of media/techniques. Students will be required to keep a sketchbook and present a portfolio of work.

### AP Art - 2D Design Portfolio
**[66361/2 AP 2D DP A3500400]**
*Grade: 11-12* *Credit: 1*
*PR: Instructor Approval Portfolio/Art II*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. This course is an advanced studio art course in which the student demonstrates mastery of 2D design through graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, or printmaking. Students will compile a portfolio that meets current College Board requirements for AP. Students will be required to take the AP exam. Senior students will participate in the Senior Show.

### AP Art - 3D Design Portfolio
**[66371/2 AP 3D DP A30500500]**
*Grade: 11-12* *Credit: 1*
*PR: Instructor Approval/Portfolio/Art II*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. This advanced studio art course allows the student to demonstrate mastery of 3D design through figurative or non-figurative sculpture, architectural models, metal work, ceramics or three-dimensional fiber arts. Students will compile a portfolio that meets current College Board requirements for AP. Students will be required to take the AP exam. Senior students will participate in the Senior Show.

### AP Studio Art Drawing
**[66461/2 APSTARTD A3500300]**
*Grade: 11-12* *Credit: 1*
*PR: Instructor Approval/Portfolio/Art II Drawing*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. AP Art IV is an advanced studio course for the college-bound and art career-oriented student. It differs from AP Art 2D Design Portfolio in that it concentrates exclusively on advanced drawing. Students will compile an exemplary portfolio that meets current College Board Requirements for Advanced Placement. Students will be required to take the AP exam. Senior students will participate in the Senior Show.

### AP Art History
**[66451/2 APHISART A3500100]**
*Grades: 10-12* *Credit: 1* *PR: Instructor Approval*
Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. AP Art History is an advanced placement course for the college-bound student. An understanding and enjoyment of architecture, sculpture, painting, and other art forms within historical and cultural contexts are studied. In the course, students examine major forms of artistic expression from the past and present and from a variety of cultures. They learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Students will be required to take the AP exam.

# Dance

### Dance I
**[69101/2 DANCE I 03830100]**
*Grades: 9-12* *Credit: 1*
Beginning dance class includes an overview of a variety of dance genres (jazz, hip-hop, ballet, lyrical, modern, and various drill team styles). Students will develop performance and choreographic skills culminating in at least one mandatory performance.

### Dance II
**[69111/2 DANCE 2 03830200]**
*Grades: 10-12 Credit: 1 PR: Instructor Approval /Dance I*
Intermediate dance class includes an overview of a variety of dance genres (jazz, hip-hop, ballet, lyrical, modern, and various drill team styles). Students will develop performance and choreographic skills culminating in at least one mandatory performance. An important element of this class is physical conditioning to develop flexibility, physical expression of rhythmic understanding, and poise.

### Dance III-IV
**[69121/2 DANCE 3 03830300]**
**[69131/2 DANCE 4 03830400]**
*Grades: 11-12 Credit: 1*
*PR: Instructor Approval Dance II*
Advanced dance class includes extensive study of a variety of dance genres. Continued development of technical facility and refinement of high-level performance skills will be the focus of this class. Students will develop performance and choreographic skills culminating in multiple performances both in the school and in the greater metropolitan community. Students can expect a high level of physical demand in the day-to-day routine of this class.

# Music

### Non-Varsity Band I-IV
**[B68000 SUB NV B BAND 03150100]**
**[B68170 SUB NV A BAND 03150200]**
**[B68120 NV BAND 03150300]**
*Grades: 9-12 Credit: 1 (1/2 PE Waiver) PR: Instructor Approval*
This band is designed to meet the individual needs of the student, and membership is by audition. Musical performance in UIL events, concerts, scheduled band activities, and additional rehearsals are a required part of the student's responsibility in the organization. Marching band is required and begins the first of August and includes before and after school rehearsals throughout the school year. Students can substitute Marching Band for Physical Education. An instrument use/band fee may be required.

### Varsity Band I-IV
**[68131/2 V BAND 03150400]**
*Grades: 9-12 Credit: 1 (1/2 PE Waiver) PR: Instructor Approval*
The Varsity Band is designed for the advanced instrumental student and membership is by audition. Musical performance in UIL events, concerts, scheduled band activities, and additional rehearsals are a required part of the student's responsibility in the organization. Marching Band is required and begins the first week of August and includes before and after school rehearsals throughout the school year. Students are allowed to substitute Marching Band for Physical Education. An instrument use/band fee may be required.

### Jazz Band I-IV
**[68501/2 JAZZ BAND 1 03151300]**
**[68511/2 JAZZ BAND 2 03151400]**
**[68521/2 JAZZ BAND 3 03151500]**
**[68531/2 JAZZ BAND 4 03151600]**
*Grades: 9-12 Credit: 1 PR: Instructor Approval*
PR: Concurrent membership in band or orchestra; Exception permitted for piano, guitar, bass. Vocalists that enroll in the jazz band course are required to hold concurrent membership in the choral program. The Jazz Band provides students with an opportunity to explore alternative styles and instrumental techniques utilized in American jazz and jazz-derived musical idioms. Students will learn creativity through improvisation. Musical performances in concerts, contests and additional rehearsals are a required part of the student's responsibility in the organization. An instrument use/band fee may be required.

### Mariachi I-IV
**[68541/2 MARIACHI 1 ENS 03153800]**
**[68551/2 MARIACHI 2 ENS 03153900]**
**[68561/2 MARIACHI 3 ENS 03154000]**
**[68571/2 MARIACHI 4 ENS 03154100]**
*Grades: 9-12 Credit: 1 PR: Instructor Approval*
The Mariachi Ensemble is a musical organization designed to study the various mariachi styles (jalisciense, rancion, ranchera, corrido, huapango, bolero, polka, joropo, pasodoble and vals mexicano) in an ensemble setting. All musical skills, including tablature and improvisation that relate to mariachi will be taught. Musical performances in concerts, contests and additional rehearsals are a required part of the student's responsibility in the organization. Violinists must hold concurrent membership in the orchestra program, wind players must hold concurrent membership in the band program, and vocalists must hold concurrent membership in the choral program to be eligible to participate. An instrument use/mariachi fee may be required.

## Non-Varsity Orchestra

**[68231/2 SUB NV B ORCH 03150500]**
**[68221/2 SUB NV A ORCH 03150600]**
**[68211/2 NV ORCH 03150700]**

*Grades: 9-12 Credit: 1 PR: Instructor Approval*

Non-Varsity and Sub Non-Varsity Orchestra is designed to meet the individual needs of the student, and membership is by audition. Musical performances in UIL events, concerts, and additional rehearsals are a required part of the student's responsibility in the organization. Students are encouraged to demonstrate improvement and audition for the advanced level orchestras each year. An instrument use/orchestra fee may be required.

## Varsity Orchestra

**[68201/2 V ORCH 03150800]**

*Grades: 9-12 Credit: 1 PR: Instructor Approval*

The Varsity String Orchestra class is for advanced instrumental violin, viola, cello, and string bass students and membership is by audition. The course of study includes developmental playing techniques, general musicianship, and representative orchestral literature. Musical performance in UIL events, concerts, scheduled orchestral activities, and additional rehearsals is a required part of the student's responsibility in the organization. An instrument use/orchestra fee may be required.

## Instrumental Ensemble

**[68601/2 INST EN1 03151700]**
**[68611/2 INST EN2 03151800]**
**[68621/2 INST EN3 03151900]**
**[68631/2 INST EN4 03152000]**

*Grade: 9-12 Credit: 1*

PR: Instructor Approval/Concurrent membership in band or orchestra

Instrumental ensembles meet the needs of students with a specific interest in performing ensemble literature other than that studied in band or orchestra. Size and composition of each group is designed to meet requirements of the music to be studied.

## A Cappella Choir I–IV

**[68701/2 VOC ENS 9 03152100]**
**[68711/2 VOC ENS 10 03152100]**
**[68721/1 VOC ENS 11 03152100]**
**[68731/2 VOC ENS 12 03152100]**
**[68741/2 MUS ENS CONTEMP 03152100]**

*Grades: 9-12 Credit: 1 PR: Instructor Approval*

The A Cappella Choir is designed for the advanced choral students, and membership is by audition. The course of study includes vocal production, general musicianship, and representative choral literature from the Renaissance to the present. Musical performance in concerts, UIL events, scheduled activities, and additional rehearsals is a required part of the student's responsibility in the organization. A choir fee may apply.

## Mixed Choir I-IV

**[68321/2 VARMIXED 09 03150900]**
**[68351/2 VARMIXED 10 03150100]**
**[68381/2 VARMIXED 11 03151100]**
**[68411/2 VARMIXED 12 03151200]**

*Grades: 9-12 Credit: 1 PR: Instructor Approval*

The Mixed Choir is designed to meet the individual needs of students, and membership is with the director's approval. The course of study includes vocal production, general musicianship, and representative choral literature from the Renaissance to the present. Musical performance in concerts, UIL events, scheduled activities, and additional rehearsals are a required part of the student's responsibility in the organization. A choir fee may apply.

## Treble Choir I-IV

**[68301/2 VAR TREBLE 9 03150900]**
**[68311/2 NV TREBLE 9 03150900]**
**[68331/2 VAR TREBLE 10 03151000]**
**[68341/2 NV TREBLE 10 03151000]**
**[68361/2 VAR TREBLE 11 03151100]**
**[68371/2 NV TREBLE 11 03151100]**
**[68391/2 VAR TREBLE 12 03151200]**
**[68401/2 NV TREBLE 12 03151200]**

*Grades: 9-12 Credit: 1 PR: Instructor Approval*

The Treble Chorus is designed to meet the needs of the choral students, and membership is with the director's approval. The course of study includes vocal production, general musicianship, and representative choral literature from the Renaissance to the

present. Musical performance in concerts, UIL events, scheduled activities, and additional rehearsals is a required part of the student's responsibility in the organization. A choir fee may apply.

### Tenor-Bass Choir I-IV

**[68421/2 NV TEN/BASS 9 03150900]**
**[68431/2 NV TEN/BASS 10 03151000]**
**[68441/2 NV TEN/BASS 11 03151100]**
**[68451/2 NV TEN/BASS 12 03151200]**

*Grades: 9-12 Credit: 1 PR: Instructor Approval*

The Tenor-Bass Chorus is designed to meet the needs of the choral student, and membership is with the director's approval. The course of study includes vocal production, general musicianship, and representative choral literature from the Renaissance to the present. Musical performance in concerts, UIL events, scheduled activities, and additional rehearsals is a required part of the student's responsibility in the organization. A choir fee may apply.

### Vocal Ensemble

**[68701/2 VOC ENS 9 03152100]**
**[68711/2 VOC ENS 10 03152200]**
**[68721/2 VOC ENS 11 03152300]**
**[68731/2 VOC ENS 12 03152100]**

*Grades: 11-12 Credit: 1 PR: Instructor Approval*

Meets the needs of students with a specific interest in a specialized choral music class. The size and composition of each group is designed to meet requirements of the music to be studied. A choir fee may apply.

### Applied Music I-IV

**[68801/2 MUS ENS 9 03152500]**
**[68811/2 MUS ENS 10 03152600]**
**[68851/2 MUS ENS 11 03152601]**
**[68861/2 MUS ENS 12 03152602]**

Grades: 9-12 Credit: 1

PR: Instructor Approval/Previous music experience

Credit may be granted for Applied Music (individual study) in the areas of piano, voice, wind and string instruments only when the contracting student is enrolled concurrently in at least one additional music course. Public performance is required. A choir fee may apply.

### Music Theory

**[68821/2 MUS THY 1 03155400]**

*Grades: 9-12 Credit: 1 PR: Instructor Approval*

This is a study of the principles and techniques of the 18th and 19th century composition. This course will cover the basic fundamentals of music theory, ear-training, sight-singing, harmonic, and-melodic dictation, and part-writing through the use of non-harmonic tones.

### AP Music Theory

**[68831/2 APMUSTHY A3150200]**

*Grades: 9-12 Credit: 1 PR: Instructor Approval*

Advanced Placement (AP) courses are open enrollment courses, designed for students who are passionate about the subject, prepared and willing to take on the challenge. Advanced Placement Music Theory is an enhanced music theory course designed for more in-depth study and application for students in ear-training, sight-singing, melodic dictation and composition. The course will also provide an overview of music history from the Renaissance through the contemporary period. Students will be required to take the AP exam.

# Theater Arts

### Theater Arts I

**[67101/2 TH 1 03250100]**

*Grades: 9-12 Credit: 1*

This course of study is designed as an introductory survey in the fundamentals of theater production, including the role of the actor in the interpretation of dramatic literature and the development of the physical theater. The student is also involved in the physical and mental processes of learning to act with emphasis on interpretation, bodily movement, and characterization.

### Theater Arts II

**[67111/2 TH 2 03250200]**

*Grades: 10-12 Credit: 1 PR: Instructor Approval*

This course of study is designed to provide the student with knowledge of the actor's craft, the development of theater as part of our cultural heritage, fine dramatic literature, and the ability to evaluate dramatic experiences. The major emphasis of the course is on the extension of the student's knowledge of the principles of acting, comedic and dramatic theory, stagecraft, directing, and actual

workshop experience in the preparation and presentation of plays.

### Theater Arts III
**[67121/2 TH 3 03250300]**
*Grades: 11-12 Credit: 1 PR: Instructor Approval*
This course of study is designed as an advanced course, which prepares students for competition in drama events in local and statewide tournaments. The major emphasis is on the practice, critique, and refinement of the techniques of acting, directing, stagecraft, and preparing and presenting plays and/ or scenes from plays.

### Theater Arts IV
**[67131/2 TH 4 03250400]**
*Grade: 12 Credit: 1 PR: Instructor Approval*
This course of study is designed to further engage students in theatrical competitions and to provide the student with advanced training in the actor's craft, the history of the theater, and theories of dramatic study. The student will refine skills in acting, directing, stagecraft, and production.

### Theater Production I-IV
**[67201/2 TH1 PROD 03250700]**
**[67211/2 TH2 PROD 03250800]**
**[67221/2 TH3 PROD 03250900]**
**[67231/2 TH4 PROD 03251000]**
*Grades: 9-12 Credit: 1 PR: Audition & Instructor Approval*
Theater Production I, II, III, and IV are lab courses in which students are involved in acting in and producing a minimum of three plays each school year.

### Technical Theater I-IV
**[67301/2 TH1TECH 03250500]**
**[67311/2 TH2TECH 03250600]**
**[67321/2 TH3TECH 03250700]**
**[67331/2 TH4TECH 03250800]**
*Grades: 9-12 Credit: 1 PR: Instructor Approval*
Technical Theater is the study and application of scenic design, make-up design, costume design, and stage and box office management.

### Theatre and Media Communications I
**[67351/2 TH1MCOM 03251300]**
*Grades: 9-12 Credit: 1*
*PR: Instructor Approval and offered at Singley Only*
This course will balance explorations into contemporary practices in digital media and creation and analysis of student performances. Students will learn how to bridge traditional stagecraft with current technology applications to create new media such as animation, digital images, multimedia presentation, digital video, websites, and interactive performances. Student work will culminate in a capstone project that investigates an issue relevant to the student and uses a digital stage to address a problem within the community or to effect a change.

# Leadership

### Student Leadership
**[85111/2 STULEAD N1290010]**
*Grades: 9-12 Credit: 1 PR: Teacher Recommendation*
This course provides an opportunity to study, practice and develop group and individual leadership and organizational skills. These skills include decision-making skills, problem-solving techniques, communication skills, leadership roles, human relations skills and understanding the need for civic responsibility. Students who take this course will apply these skills in dealing with peers, school staff and the community. This course is a hands-on, lab-oriented approach to leadership.

### Methodology for Academic and Personal Success (MAPS)
**[85481/2 MAPS1 N1130021]**
*Grades: Credit: 1-2*
Methodology for Academic and Personal Success focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world. Students will identify likes and dislikes, talents, and hobbies. The course focuses on self –understanding, decision-making, resiliency, attitude, character, social skills and leadership to help students maximize personal achievement in high school and beyond. Additionally, the course emphasizes proactive problem solving, self-determination, and independent thinking skills.

# Special Education

**Note: An Admission, Review and Dismissal (ARD) Committee determines Special education placement and individual course selections. Placement and course selections are reviewed, at a minimum, on an annual basis.**

**Special Education Course Offerings:** The following are courses taught by special education teachers. All students will have access to the general curriculum and to the Texas Essential Knowledge and Skills (TEKS). Curriculum may be accessed through modifications, accommodations, and/or Recommended Prerequisite skills dependent upon the individual needs of the student. All core subject special education courses are taken for credit.

# Principles

## Principles of English I

**[15111/2 ENG1PRN 03220100]**

*Grades: 9 Credit: 1*

This course uses modified English I content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and view representing. Students will integrate correct language skills within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read and respond to multiple genres from world literature translated into English from various cultures; and understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Principles of English II

**[15211/2 ENG2PRN 03220200]**

*Grades: 10 Credit: 1*

This course uses modified English II content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students increase and refine their communication skills; plan, draft, and complete written compositions with emphasis on persuasive forms; read extensively in multiple genres from world literature translated to English from various cultures. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual needs of the students.

## Principles of English III

**[15311/2 ENG3PRN 03220300]**

*Grades: 10-11 Credit: 1*

This course uses modified English III content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students continue to increase and refine communication skills; plan, draft, and complete written compositions with emphasis on business forms on a regular basis. American literature and other world literature provide the source for critical thinking and literary essays. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Principles of English IV

**[15411/2 ENG4PRN 03220400]**

*Grades: 12 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skill for the grade level English I TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students will integrate correct language skill within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read and respond to multiple genres from world literature translated into English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Principles of Algebra I

**[25181/2 ALG1PRN 03100500]**

*Grades: 9 Credit: 1*

This course is designed for students to learn the skills and application of Algebra I through modified and accommodated curriculum. Principles of Algebra I students build on earlier math experiences, deepening their understanding of relations and functions and

expanding their repertoire of familiar linear and quadratic functions among others.

## Principles of Geometry

**[25391/2 GEOMPRN 03100700]**

*Grades: 9-12 Credit: 1*

Principles of Geometry is designed for students to learn the skills and application of geometry through modified and accommodated curriculum. Students develop the facility with a broad range of ways of representing geometric ideas that allow multiple approaches to geometric problems that connect geometric interpretations to other contexts.

## Principles of Algebra 2

**[25241/2 ALG2PRN 03100600]**

*Grades: 9-12 Credit: 1*

Principles of Algebra 2 is designed for students to build on Principles of Algebra 1 and Geometry Modified experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Through the use of modified and accommodated curriculum students will be provided insights into mathematical abstraction and structure though the content strands. Connections will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

## Principles of Math Models

**[25631/2 MTHMDPRN 03102400]**

*Grades: 11-12 Credit: 1*

This course is designed for students to continue to build on the K-8 and Principles of Algebra 1 foundations as they expand their understanding through other mathematical experiences. Through the use of modified and accommodated curriculum students use mathematical methods to model and solve real-life application problems involving money, date, chance, patterns, music, design, and science. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems.

## Principles of Biology

**[35101/2 BIOPRN 03010200]**

*Grades: 9-10 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Biology TEKS. The course may cover cell structure and function of systems in organisms, scientific processes and basic concepts of biochemistry, genetics, microbiology, taxonomy, botany, physiology, and zoology. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Principles of Chemistry

**[35481/2 CHEMPRN 03040000]**

*Grades: 10-12 Credit: 1*

This course uses modified Chemistry content to meet the individual learning requirements of students. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Principles of Integrated Phy & Chem

**[35701/2 IPCPRN 03060201]**

*Grades: 9 Credit: 1*

This course meets the requirements of students by focusing on Recommended Prerequisite skills for the grade level of Integrated Physics and Chemistry (IPC) TEKS. In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter.

## Principles of Environmental Systems

**[35341/2 ENVRSYPRN 03020000]**

*Grades: 11-12 Credit: 1*

This course meets the requirements of students by focusing on Recommended Prerequisite skills for the grade level Environmental Systems TEKS. In Principles of Environmental Systems, students may conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

## Principles of Physics

**[35551/2 PHYSICSPRN 03050000]**

*Grades: 10-12 Credit: 1*

This course meets the requirements of students by focusing on Recommended Prerequisite skills for the grade level Physics TEKS.

In Principles of Physics, students may conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

## Principles of World Geography Studies

**[45101/2 WGEOPRN 03320100]**

*Grades: 9 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World Geography TEKS. This course involves study of the interaction of people and cultures with their physical environment in the world's major areas: attention to the locations of natural resources, geographic boundaries, landforms, economic development, language, patterns of settlement, and the interaction of cultures and nations within the context of global development. Activities use critical thinking skills and technology resources designed to assist students in recognizing how understanding events in World Geography will influence our country and our people. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Principles of US Government

**[45204 GOVTPRN 03330100]**

*Grades: 12 Credit: ½*

This course will enable students to define their rights, privileges and responsibilities within the school, community, and employment settings. Concepts include voting, laws, and consequences of unlawful behavior, honesty, integrity, community volunteerism, rules, and regulations. Students are instructed on how to be productive and safe in a variety of community situations including employment. Students will become familiar with the basic concepts of personal responsibility related to employability and being a productive, contributing member of a business, community and/or organization.

## Principles of US History

**[45301/2 USHSTPRN 03340100]**

*Grades: 11 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level U.S. History TEKS. The course focuses on U.S. history from Reconstruction to the present. Students review and evaluate major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Principles of World History

**[45401/2 WHSTPRN 03340400]**

*Grades: 10 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World History TEKS. The course focuses on historical development of human society from past to present times. Emphasis placed on major events, world leaders, economic and political institutions, technological innovations, and the philosophical and religious beliefs that have shaped the modern world. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Principles of Economics

**[46104 ECOPRN 03310300]**

*Grades: 12 Credit: ½*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Economics TEKS. Students will develop an understanding and an appreciation of the principles of economics. Students will study the fundamentals of the American free enterprise system and learn how to become full participants in the American economic and political systems.

## Principles of Methodology for Academic and Personal Success (MAPS)

**[85551/2 MAPS1PRN N1130021]**

*Grades: 9-12 Credit: 1*

Methodology for Academic and Personal Success focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world. Students will identify likes and dislikes, talents, and hobbies. The course focuses on self–understanding, decision-making, resiliency, attitude, character, social skills and leadership to help students maximize personal achievement in high school and beyond. Additionally, the course emphasizes proactive problem solving, self-determination, and independent thinking skills.

### Principles of Occupational Prep 1
**[79101/2 OCPR1PRN 85000013]**
*Grades: 9-12 Credit: 1*
This course is designed to introduce students to the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment in their career choice and make career advancements. Students will participate in school-based learning activities including work ethic development, job-seeking skills, decision-making skills, and self-management. Students will be involved in on-campus vocational training activities such as school factories, work-based enterprises, hands-on vocational training in Workforce Development Education courses and the operation of small businesses. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Occupational Preparation courses.

### Principles of Occupational Prep 2
**[79111/2 OCPR2PRN 85000014]**
*Grades: 9-12 Credit: 1*
This course is designed to allow students to develop skills generic to all career majors; resource management, communication, interpersonal relationships, technology, stamina, endurance, safety, mobility skills, motor skills, teamwork, sensory skills, problem solving, cultural diversity, information acquisition/management, and
self-management. This course content is focused on providing students with a repertoire of basic skills that will serve as a foundation for future career application. Students will expand their school-based learning activities to include on-campus jobs and work-based learning activities. Job seeking skills also will be refined.

### Principles of Occupational Prep 3
**[79151/2 OCPR3PRN 85000015]**
*Grades: 9-12 Credit: 1*
This course is designed to allow students to continue the development and begin the application of skills learned in Occupational Preparation I and II. Campus work-based learning activities will be provided to allow students to apply employability skills to competitive employment settings and demonstrate the effectiveness of their work personality. Multiple opportunities for leadership development and self-determination are provided.

# Fundamentals
Listed below are additional courses only offered as "Fundamentals". All fundamentals courses are based on ARD committee decisions.

### Fundamentals of English I
**[15911/2 ENG1FND 03220107]**
*Grades: 9 Credit: 1*
This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English I TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students will integrate correct language skill within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read and respond to multiple genres from world literature translated to English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

### Fundamentals of English II
**[15921/2 ENG2FND 03220207]**
*Grades: 10 Credit: 1*
This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English II TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students increase and refine their communication skills; plan, draft, and complete written compositions with emphasis on persuasive forms; read extensively in multiple from
world literature translated into English from various cultures. Students continue development of study skills, strategies, and the use genre of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

### Fundamentals of English III
**[15931/2 ENG3FND 03220300]**
*Grades: 10-11 Credit: 1*
This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English III TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students continue to increase and refine communication skills; plan, draft, and complete written compositions with emphasis on business forms on a regular basis. American literature and other world literature provide the source for critical

thinking and literary essays. Students' present and critique oral communications and Graphic Design & Illustration products. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

### Fundamentals of English IV

**[15941/2 ENG4FND 03220400]**

*Grades: 12 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English IV TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students continue to increase and refine communication skills; plan, draft, and complete written compositions with emphasis on business forms on a regular basis. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

### Fundamentals of Communication Applications

**[16904 COMAPFND 03241400]**

*Grades: 11-12 Credit: ½*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Communication Application TEKS. All aspects of human interaction, whether professional or social, rely on effective communication skills. Due to the incredibly rapid expansion in technologies and social media, there exists increasing demands for human communications to be clear and precise in both verbal and nonverbal behaviors. Speaking and listening behaviors require valid critical-thinking and problem-solving processes. Students enrolled in Fundamentals of Communication Applications will identify, analyze, develop and evaluate communication prerequisite skills in interpersonal situations, group interactions, and personal and professional presentations.

### Fundamentals of Algebra I

**[25901/2 ALG1FND 03100507]**

*Grades: 9 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Algebra I TEKS. Algebra I Alternate students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others. Students learn to combine functions, express functions in equivalent forms, compose functions and find inverses where possible. Algebra I Alternate will provide students with insights into mathematical abstraction and structure through the content strands Foundations for Functions, Linear Functions, and Quadratics and other Non-Linear Functions. It is extremely important for students to learn Algebra I standards in depth, as it is a foundation for other math courses.

### Fundamentals of Algebra 2

**[25931/2 ALG2FND 03100600]**

*Grades: 9-12 Credit: 1*

Fundamentals of Algebra 2 is designed for students to build on Algebra I Alternate and Geometry Alternate experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Through the use of modified and accommodated curriculum students will be provided insights into mathematical abstraction and structure though the content strands. Connections will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

### Fundamentals of Geometry

**[25911/2 GEOMFND 03100700]**

*Grades: 9-12 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Geometry TEKS. High school students develop facility with a broad range of ways of representing geometric ideas, including coordinates, networks, transformations, that will allow multiple approaches to geometric problems and that connect geometric interpretations to other contexts. Students learn to recognize connections among different representations, thus enabling them to use these representations flexibly. Students will expand their understanding through other mathematical experiences through the Geometry content strands of Geometric Structure, Geometric Patterns, Dimensionality and the Geometry of Location, Congruence and the Geometry of Size, and Similarity and the Geometry of Shape.

### Fundamentals of Mathematical Models with Applications

**[25921/2 MTHMDFND 03102400]**

*Grades: 11-12 Credit: 1*

Fundamentals of Math Models is designed for students to continue to build on the K-8 and Fundamentals of Algebra I foundations as they expand their understanding through other mathematical experiences. Through the use of modified and accommodated curriculum students use mathematical methods to model and solve real-life application problems involving money, date, chance, patterns, music, design, and science. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems.

## Fundamentals of Biology

**[35901/2 BIOFND 03010207]**

*Grades: 9-10 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Biology TEKS. The course may cover cell structure and function of systems in organisms, scientific processes and basic concepts of biochemistry, genetics, microbiology, taxonomy, botany, physiology, and zoology. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Fundamentals of Environmental Systems

**[35351/2 ENVRSYFND 03020000]**

*Grades: 11-12 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Environmental Systems TEKS. In Fundamentals of Environmental Systems, students may conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Fundamentals of Chemistry

**[35921/2 CHEMFND 0304000]**

*Grades: 10-12 Credit: 1*

This course uses alternate Chemistry content to meet the individual learning requirements of students. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Fundamentals of Physics

**[35571/2 PHYSICSFND 0305000]**

*Grades: 10-12 Credit: 1*

This course uses alternate Physics content to meet the individual learning requirements of students. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motions; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior waves; and atomic, nuclear, and quantum physics. Some variation in course content/emphasis may occur on campus depending on individual learning needs of the students.

## Fundamentals of Integrated Phy & Chem

**[35911/2 IPCFND 03060201]**

*Grades: 9-11 Credit: 1*

This course meets the requirements of students by focusing on Recommended Prerequisite skills for the grade level of Integrated Physics and Chemistry (IPC) TEKS. In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter.

## Fundamentals of World Geography Studies

**[45101/2 WGEOFND 03320100]**

*Grades: 9 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World Geography TEKS. This course involves study of the interaction of people and cultures with their physical environment in the world's major areas: attention to the locations of natural resources, geographic boundaries, landforms, economic development, language, patterns of settlement, and the interaction of cultures and nations within the context of global development. Activities use critical thinking skills and technology resources designed to assist students in recognizing how understanding events in World Geography will influence our country and our people. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Fundamentals of US Government

**[47934 GOVTFND 0333010]**

*Grades: 12 Credit: ½*

Fundamentals of Government will enable students to define their rights, privileges and responsibilities within the school, community, and employment settings. Concepts include voting, laws, and consequences of unlawful behavior, honesty, integrity, community volunteerism, rules, and regulations. Students are instructed on how to be productive and safe in a variety of community situations including employment. Students will become familiar with the basic concepts of personal responsibility related to employability and being a productive, contributing member of a business, community and/or organization.

## Fundamentals of US History

**[47921/2 USHSTFND 03340107]**

*Grades: 11 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level U.S. History TEKS. The course focuses on U.S. history from Reconstruction to the present. Students review and evaluate major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Fundamentals of World History Studies

**[47911/2 WHSTFND 03340400]**

*Grades: 10 Credit: 1*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World History TEKS. The course focuses on historical development of human society from past to present times. Emphasis placed on major events, world leaders, economic and political institutions, technological innovations, and the philosophical and religious beliefs that have shaped the modern world. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

## Fundamentals of Economics

**[47944 ECOFND 03310300]**

*Grades: 12 Credit: 1/2*

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Economics TEKS. Students will develop an understanding and an appreciation of the principles of economics. Students will study the fundamentals of the American free enterprise system and learn how to become full participants in the American economic and political systems.

## Fundamentals of Methodology for Academic and Personal Success (MAPS)

**[85561/2 MAPS1FND N1130021]**

*Grades: 9-12 Credit: 1*

Methodology for Academic and Personal Success focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world. Students will identify likes and dislikes, talents, and hobbies. The course focuses on self–understanding, decision-making, resiliency, attitude, character, social skills and leadership to help students maximize personal achievement in high school and beyond. Additionally, the course emphasizes proactive problem solving, self-determination, and independent thinking skills.

## Fundamentals of Work Based Learning I

**[79301/2 WBLFND 85000006]**

In this instructional arrangement/setting students will practice employability skills at actual job sites in the local community. A wide range of sites will be used including, but not limited to retail, service, volunteer, health related and clerical so as to provide the student with numerous opportunities to explore a variety of employment options. Students will be supervised directly by special education personnel without remuneration. Work Based Learning I: Focus of instruction will be on individual responsibility on the job sites in the community with direct supervision by a certified teacher.

## Fundamentals of Work Based Learning II

**[79471/2 WBL2FND 85000007]**

In this instructional arrangement/setting students will practice employability skills at actual job sites in the local community. A wide range of sites will be used including, but not limited to: retail, service, volunteer, health related and clerical so as to provide the student with numerous opportunities to explore a variety of employment options. Students will be supervised directly by special education personnel without remuneration. Work Based Learning II: Continued focus of instruction will be on individual responsibility on the job sites in the community with direct supervision by a certified teacher.

## CCC Voc I: Academic

**[96441/2 CCCVOCI 85000017]**

*Grades: 12+ Credit: 2*

Classroom and community-based instruction is provided to help students achieve the greatest level of independence possible. Students continue to learn reading, writing, and math while developing basic living skills, job skills, personal safety, community access, and recreation skills. CCCVoc I is a supplementary course to CCCVoc II,III, and IV.

## CCC Voc II: Community

**[96451/2 CCCVOCII 85000018]**

*Grades: 12+ Credit: 2*

Students build a network of support utilizing resources available in Dallas County. Students develop self-advocacy skills and identify and practice the decisions they will make as responsible adults. Students will continue to build functional life skills needed for independence or interdependence in adulthood. CCCVoc II is a supplementary course to CCCVoc I, III, and IV.

## CCC Voc III: Vocation

**[96461/2 CCCVOCIII 85000019]**
*Grades: 12+ Credit: 2*
This course is designed to strengthen career readiness skills needed to prepare students for employment**:** Students use a hands-on vocational curriculum to learn skills necessary for the work-force and independent life. In addition, students will participate in internships to gain vocational experience or to identify a possible career. CCCVoc III is a supplementary course to CCCVoc I, II, and IV.

## CCC Voc IV: Career Exploration-Capstone Course

**[96471/2 CCCVOCIV 85000022]**
*Grades: 12+ Credit: 2*
This course will provide students with a capstone experience in work- based learning. The course is designed to give students supervised practical application of employment skills that can be generalized in a variety of work settings. CCCVOC IV is a supplementary course to CCCVOC I, II, III.

## PS Vocational I

**[96401/2 PSVOCI 8500001]**
*Grades: 12+ Credit: 2*
PS Voc I is designed to strengthen career readiness skills needed to prepare students for competitive employment. This course will be taught at the host business site to provide students time to work on problem solving techniques, communication skills and planning for successful employment. This is a supplementary course to PS Voc II, III, and IV.

## PS Vocational II

**[96411/2 PSVOCII 8500003]**
*Grades: 12+ Credit: 2*
The practicum course is designed to give students supervised practical application of entry level job skills. Non-paid internships will take place at the host business. Students will apply knowledge and job skills necessary to meet employer expectations.

## PS Vocational III

**[96421/2 PSVOCIII 8500004]**
*Grades: 12+ Credit: 2*
The practicum course is designed to give students supervised practical application of entry level job skills. Non-paid internships will take place at the host business. Students will apply knowledge and job skills necessary to meet employer expectations.

## PS Vocational IV

**[96431/2 PSVOCIV 8500005]**
*Grades: 12+ Credit: 2*
PS VOC IV will provide students with a capstone experience in work based learning. The internship is designed to give students supervised practical application of employment skills that can be generalized in a variety

## CTED Horticulture and Floriculture

**[78901/2 CTED HORTISCI 13002000]**
*Grades: 9-12 Credit: 1*
In this course, students will learn to plant, grow and sell plants and flowers while working in the greenhouse. Students will develop skills to prepare for careers in the horticulture industry, including product development, marketing and management skills. Enrollment is based on ARD Committee decision.

## CTED Employability Skills

**[79671/2 CTED GEMPLS N1270153]**
*Grades 9-12 Credit: 1*
In this course, students will learn the skills necessary to secure employment. The course will focus on various careers that are in-demand, the skills necessary for success on the job and provide instruction on interviewing and completing applications. Enrollment is based on ARD Committee decision.

## Vocational I-V

**[85000008] [85000009] [85000010] [85000011] [85000012]**
*Grades: 9-12 Credit: 1 Local*
This course focuses on real world vocational training. Students enrolled in this course will study vocational skills necessary for applying for, obtaining, and maintaining employment. Students will learn hands-on job skills, effective communication strategies, and problem-solving techniques necessary for successful employment. Enrollment is based on ARD committee decision.

## Recommended High School Course Sequences

## Irving ISD Recommended High School Course Sequence English – Class of 2018 & Beyond

| 8th Grade | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|---|---|---|---|---|
| 8th grade English | English I | English II | English III | English IV<br>College Preparatory Course ELA |
| 8th grade English | English I | English II | English III Dual Credit | English IV Dual Credit |
| 8th grade<br>Honors English | English I<br>Honors | English II Honors | AP English Language and Composition<br>AP Seminar Capstone | AP English Literature and Composition<br>AP Research Capstone |
| English I<br>GT/Humanities | English II<br>Honors | AP English Language and Composition<br>AP Seminar Capstone | AP English Literature and Composition<br>AP Seminar Capstone or<br>AP Research Capstone | English V Genre Study<br>AP Research Capstone |

## Irving ISD Recommended High School Course Sequence Math – Class of 2018 & Beyond

| 8th Grade | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|---|---|---|---|---|
| Math 8 | Algebra I | Geometry | Algebra II | Precalculus<br>Statistics<br>College Preparatory Course Mathematics |
| Math 8 | Algebra I | Geometry | Algebraic Reasoning | Algebra 2<br>Statistics<br>College Preparatory Course Mathematics |
| Algebra I Honors/GT | Geometry Honors/GT | Algebra 2 Honors GT | AP Precalculus<br>AP Statistics<br>AP Computer Science A | AP Calculus AB or BC<br>AP Statistics<br>AP Computer Science A |

## Irving ISD Recommended High School Course Sequence Science – Class of 2018 & Beyond

| 8th Grade | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|---|---|---|---|---|
| 8th Grade Science | Biology | Chemistry | Physics | Environmental Systems<br>Astronomy |
| 8th Grade Science | IPC | Biology | Physics<br>Chemistry<br>Environmental Systems<br>Astronomy | Physics<br>Chemistry<br>Environmental Systems<br>Astronomy |
| 8th Grade Science Honors | Biology Honors | Chemistry Honors | AP Physics 1<br>AP Physics 2 AP Biology<br>AP Chemistry<br>AP Environmental Science | AP Physics 1<br>AP Physics 2<br>AP Physics C: Electricity & Magnetism<br>AP Physics C: Mechanics<br>AP Biology<br>AP Chemistry<br>AP Environmental Science |
| Biology GT | Chemistry GT | AP Physics 1<br>AP Physics 2<br>AP Biology<br>AP Chemistry<br>AP Environmental Science | AP Physics 1<br>AP Physics 2<br>AP Physics C: Electricity & Magnetism<br>AP Physics C: Mechanics<br>AP Biology<br>AP Chemistry<br>AP Environmental Science | AP Physics 2<br>AP Physics C: Electricity & Magnetism<br>AP Physics C: Mechanics<br>AP Biology<br>AP Chemistry<br>AP Environmental Science |

***All pre-requisites for AP science courses are based on the recommendations from TEA and College Board.**

## Irving ISD Recommended High School Course Sequence Social Studies: Class of 2018-2026

| 8th Grade | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|---|---|---|---|---|
| 8th Grade Social Studies | World Geography | World History | US History | US Government<br>Economics |
| 8th Grade Social Studies | World Geography | World History | US History Dual Credit | US Government Dual Credit Economics |
| 8th Grade Honors Social Studies | World Geography Honors<br>AP Human Geography | World History Honors<br>AP World History | US History Dual Credit<br>AP US History | US Government Dual Credit/ AP US Government<br>AP Macroeconomics |
| 8th Grade Honors Social Studies (GT students) | AP Human Geography | AP World History | AP US History | AP US Government<br>AP Macroeconomics |

## Irving ISD Recommended High School Course Sequence Social Studies: Class of 2027 & Beyond

| 8th Grade | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|---|---|---|---|---|
| 8th Grade Social Studies | World Geography **or** World History* | | US History | US Government and Economics |
| 8th Grade Social Studies | World Geography **or** World History* | | US History Dual Credit | US Government Dual Credit and Economics |
| 8th Grade Honors Social Studies | World Geography Honors, AP Human Geography, World History Honors, **or** AP World History* | | US History Dual Credit or AP US History | US Government Dual Credit/ AP US Government and AP Macroeconomics |
| 8th Grade Honors Social Studies (GT students) | AP Human Geography **or** AP World History* | | AP US History | AP US Government and AP Macroeconomics |

*Per local graduation policy, students are required to take 3 total Social Studies credits - World Geography **or** World History, US History, Government, and Economics.

# Irving ISD Gifted and Talented Education

| Subject | 6th grade | 7th grade | 8th grade | 9th grade | 10th grade | 11th grade | 12th grade |
|---|---|---|---|---|---|---|---|
| Language Arts | 6 GT ELA/ Humanities | 7 GT ELA/ Humanities | GT English Humanities | English II GT | AP Language & Composition GT<br>AP Capstone Seminar | AP Literature & Composition GT<br>AP Capstone Seminar<br>AP Capstone Research | English V Genre Study<br>AP Capstone Research |
| Mathematics | Math 6 Honors GT Accelerated | Math 7 Honors GT Accelerated | Algebra I GT | Geometry GT | Algebra II GT | AP Precalculus<br>AP Statistics<br>AP Computer Science A | AP Calculus AB or BC<br>AP Statistics<br>AP Computer Science A |
| Science | Science 6 GT | Science 7 GT | Biology GT | Chemistry GT | AP Physics 1<br>AP Physics 2<br>AP Biology<br>AP Chemistry<br>Environmental Science | AP Chemistry<br>AP Physics 1<br>AP Physics 2<br>AP Physics C: Electricity & Magnetism<br>AP Physics C: Mechanics<br>AP Environmental Science | |
| Social Studies | 6th grade World Cultures | 7th grade Honors Texas History | 8th grade Honors US History | AP Human Geography/ Honors World Geography for Dual Language | AP World History | AP US History | AP US Gov't Comp Gov't<br>AP Macro<br>AP Micro |

**All pre-requisites for AP science courses are based on the recommendations from TEA and College Board.**

# Irving ISD High School ESL Course Sequencing Guidance

| Grade | LAS LEVEL 1 | LAS LEVEL 2 | LAS LEVEL 3 |
|---|---|---|---|
| **9th** | Mandatory Courses:<br>ESOL 1A 15511/2<br>Reading 1 ESL 15561/2<br>Independent English 15501/2<br>IPC ESL 35391/2<br>W Geography ESL 45131/2<br>Algebra 1 ESL 25121/2<br>*ELDA 15781/2<br>(Newcomer/gaps in education) | Mandatory Courses:<br>ESOL 1B 15521/2<br>Reading 2 ESL 15571/2<br>IPC ESL 35391/2<br>W Geography ESL 45141/2<br>Algebra 1 ESL 25121/2 | English 1 ESL 15131/2<br>Reading 1 17501/2 |
| | Possible Elective Courses:<br>LOTE (native language)<br>PE/Fine Arts | Possible Elective Courses:<br>LOTE (native language)<br>PE/Fine Arts | |
| **10th** | ESOL 2A 15531/2<br>Reading 1 ESL 15561/2<br>Environ Systems ESL 35391/2<br>W History ESL 45431/2<br>Geometry ESL 25311/2<br>LOTE (native language)<br>PE/Fine Arts | ESOL 2B 15541/2<br>Reading 2 ESL 15571/2<br>Biology ESL 35131/2<br>W History ESL 45441/2<br>Geometry ESL 25311/2<br>LOTE (native language)<br>PE/Fine Arts | English 2 ESL 15231/2<br>Reading 2 17531/2<br>Geometry ESL 25121/2 |
| **11th** | | English 3 ESL 15331/2<br>Biology ESL 35131/2<br>LOTE (native language) | English 3 ESL 15331/2 |

IRVING
Independent School District

# Career and Technical Education

Career and Technical Education programs are designed to meet the demands of today's workforce by focusing on the needs of the business community today and in the future. The growth of the CTE programs in Irving is on the rise with emphasis on rigor, relevance, and relationships while focused on college, career, and military readiness.

It is the policy of the Irving Independent School District not to discriminate on the basis of age, race, religion, color, national origin, sex or handicap in its vocational programs, services or activities as required byTitle 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.

Es norma de Irving Independent School District no discriminar por motivos de raza, edad, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda

# PROGRAMS OF STUDY

## AGRICULTURE SCIENCE

- VENTERIANRY SCIENCE
- PLANT SCIENCE

**AVAILABLE AT NIMITZ ONLY**

## ARCHITECTURE AND CONSTRUCTION

- ARCHITECTURE
- CONSTRUCTION MANAGEMENT
- CIVIL ENGINEERING
- WELDING

**AVAILABLE AT MACARTHUR ONLY**

## ARTS, AUDIO VISUAL TECHNOLOGY AND COMMUNICATIONS

- DIGITAL COMMUNICATIONS
- GRAPHIC DESIGN

**AVAILABLE AT:**
**IRVING , NIMITZ, MACARTHUR**

## BUSINESS, MARKETING

- BUSINESS MANAGEMENT
- MARKETING

**AVAILABLE AT IRVING , NIMITZ**

- ADMINISTRATIVE MANAGEMENT
- SALES MANAGEMENT
- ENTREPRENEURSHIP
- REAL ESTATE MARKETING

**AVAILABLE AT MACARTHUR**

- BUSINESS MANAGEMENT

**AVAILABLE AT CARDWELL**

## EDUCATION AND TRAINING

- EDUCATION & TRAINING

**AVAILABLE AT IRVING , NIMITZ, MACARTHUR**

- EARLY CHILDHOOD

**AVAILABLE AT CARDWELL**

## HEALTH SCIENCE

- BIOMEDICAL SCIENCE

**AVAILABLE AT IRVING**

- NURSING SCIENCE
- MEDICAL BILLING
- DENTAL
- EMERGENCY SERVICES (EMT)

**AVAILABLE AT SINGLEY ONLY**

## HOSPITALITY AND TOURISM

- CULINARY ARTS
- LODGING AND RESORT

**AVAILABLE AT**
**IRVING , NIMITZ, MACARTHUR, SINGLEY**

## HUMAN SERVICES

- COSMETOLOGY

**AVAILABLE AT**
**IRVING , NIMITZ, MACARTHUR. CARDWELL**

## INFORMATION TECHNOLOGY

- TECHNOLOGY SUPPORT
- CYBERSECURITY
- ROBOTIC MANUFACTURING
- PROGRAMMING & DIGITAL TECH

**AVAILABLE AT SINGLEY ONLY**

- COMPUTER SCIENCE

**AVAILABLE AT**
**IRVING , NIMITZ, MACARTHUR,**

## LAW AND PUBLIC SERVICE

- LEGAL STUDIES
- LAW ENFORCEMENT

**AVAILABLE AT SINGLEY ONLY**

- JROTC MARNIES

**AVAILABLE AT IRVING**

- JROTC ARMY

**AVAILABLE AT MACARTHUR ONLY**

- JROTC NAVY

**AVAILABLE AT NIMITZ ONLY**

## ENGINEERING

- SUSTAINABLE ENGINEERING

**AVAILABLE AT NIMITZ ONLY**

- DRONE ENGINEERING

**AVAILABLE AT IRVING**

## TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

- AVIATION MAINTENANCE

**AVAILABLE AT IRVING**

- AUTOMOTIVE
- COLLISION REPAIR
- DIESEL

**AVAILABLE AT**
**IRVING , NIMITZ, MACARTHUR. CARDWELL**

# SINGLEY ACADEMY




Admission to Jack E. Singley Academy is by application only and students are admitted to programs through an equitable lottery process. The application is available on the Jack E. Singley website, or students may see their counselor.



# Health Science: Patient Care

The Nursing Science program of study focuses on occupational and educational opportunities associated with patient care. This program of study includes the practice of caring for patients, performing routine procedures such as monitoring vital signs, developing, and implementing care plans, maintaining medical records, and managing disease or pain.

**PROGRAM CERTIFICATION: Phlebotomy Technician**

**Career And Technical Student Organization (CTSO): Health Occupations Students of America (HOSA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF HEALTH SCIENCE**<br>74561/2<br>Credit: 1<br>13020200 | **HEALTH SCIENCE THEORY***<br>74581/2<br>78291/2 DC*<br>Credit: 1<br>13020400 | **PATHOPHYSIOLOGY***<br>36141/2<br>35271/2 DC*<br>Credit: 1<br>13020800 | **PRACTICUM IN NURSING***<br>74611/2<br>78351/2 DC*<br>Credit: 2<br>13021230 |
| | **MEDICAL TERMINOLOGY***<br>74571/2<br>78281/2 DC*<br>Credit: 1<br>13020300 | **ANATOMY AND PHYSIOLOGY**<br>35221/2<br>Credit: 1<br>13020600 | **PHARMACOLOGY***<br>78371/2<br>78571/2 DC*<br>Credit: 1<br>13020950 | **OR** |
| ELECTIVES | | | | **SCIENTIFIC RESEARCH AND DESIGN***<br>36241/2 DC*<br>Credit: 1<br>13037200 |
| ELECTIVES | | | | |

# Health Science: Dental

The Diagnostic and Therapeutic Services program of study focuses on occupational and educational opportunities associated with diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study includes exploration of patient treatment and rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

**PROGRAM CERTIFICATION**: Registered Dental Assistant

**Career And Technical Student Organization (CTSO): Health Occupations Students of America (HOSA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF HEALTH SCIENCE**<br>74561/2<br>Credit: 1<br>13020200 | **HEALTH SCIENCE THEORY**<br>74581/2<br>Credit: 1<br>13020400 | **PRACTICUM IN HEALTH SCIENCE DENTAL**<br>74631/2<br>Credit:2<br>13020500 | **PRACTICUM IN HEALTH SCIENCE II DENTAL**<br>74511/2<br>Credit: 2<br>13020510 |
| | **MEDICAL TERMINOLOGY**<br>74571/2<br>Credit: 1<br>13020300 | **ANATOMY AND PHYSIOLOGY**<br>35221/2<br>Credit: 1<br>13020600 | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Health Science: Medical Billing

The Health Informatics program of study focuses on occupational and educational opportunities associated with the management and use of patient information in the healthcare field. This program of study includes exploration of computerized healthcare systems and the process of creating and maintaining hospital and patient records in accordance with regulatory requirements of the healthcare system. Students will also practice writing and interpreting medical reports.

**PROGRAM CERTIFICATION: Certified Billing and Coding Specialist**

**Career And Technical Student Organization (CTSO): Health Occupations Students of America (HOSA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF HEALTH SCIENCE**<br>74561/2<br>Credit: 1<br>13020200 | **HEALTH SCIENCE THEORY**<br>74581/2<br>Credit: 1<br>13020400 | **HEALTH INFORMATICS**<br>78661/2<br>Credit: 1<br>13020960 | **PRACTICUM IN MEDICAL BILLING**<br>78681/2<br>Credit: 2<br>13020500 |
| | **MEDICAL TERMINOLOGY**<br>74571/2<br>Credit: 1<br>13020300 | **ANATOMY AND PHYSIOLOGY**<br>35221/2<br>Credit: 1<br>13020600 | **MEDICAL BILLING AND CODING**<br>78671/2<br>Credit: 1<br>13020964 | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

# Health Science: EMT

The Diagnostic and Therapeutic Services program of study focuses on occupational and educational opportunities associated with diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study includes exploration of patient treatment and rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

**PROGRAM CERTIFICATION: Emergency Medical Technician**

**Career And Technical Student Organization (CTSO): Health Occupations Students of America (HOSA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF HEALTH SCIENCE**<br>74561/2<br>Credit: 1<br>13020200 | **HEALTH SCIENCE THEORY**<br>74581/2<br>Credit: 1<br>13020400 | **PRACTICUM IN HEALTH SCIENCE (EMT)***<br>78411/2<br>72141/2*<br>Credit: 2<br>13020500 | **EMERGENCY MEDICAL TECHNICIAN**<br>79891/2<br>Credit: 2<br>N1303015 |
| | **MEDICAL TERMINOLOGY**<br>74571/2<br>Credit: 1<br>13020300 | **ANATOMY AND PHYSIOLOGY**<br>35221/2<br>Credit: 1<br>13020600 | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Information Technology: Cybersecurity

The Cybersecurity program of study focuses on occupational and educational opportunities associated with planning, implementing, upgrading, or monitoring security measures for the protection of computer networks and information. This program of study includes responding to computer security breaches and viruses and administering network security measures.

**PROGRAM CERTIFICATION: Cybersecurity Fundamentals**

**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF INFORMATION TECHNOLOGY**<br>75301/2<br>Credit: 1<br>13027200 | **FOUNDATIONS OF CYBERSECURITY**<br>79581/2<br>Credit: 1<br>03580850 | **DIGITAL FORENSICS**<br>77361/2<br>Credit: 1<br>03580360 | **PRACTICUM IN CYBERSECURITY**<br>77741/2<br>Credit: 2<br>13028000 |
| | **FUNDAMENTALS OF COMPUTER SCIENCE**<br>74211/2<br>Credit: 1<br>03580140 | **NETWORKING**<br>79651/2<br>Credit: 1<br>13027400 | **CYBERSECURITY CAPSTONE**<br>79941/2<br>Credit: 1<br>03580855 | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Information Technology: Technology Support Services

The Information Technology Support and Services program of study focuses on occupational and educational opportunities associated with administering, testing, and implementing computer databases and applying knowledge of database management systems. This program of study includes analyzing user requirements, automating or improving existing systems, and reviewing computer system capabilities. It also includes research, design, and testing of computer or computer-related equipment for commercial, industrial, military, or scientific use.

**PROGRAM CERTIFICATION: Computer Repair Technology - Job Ready**

**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF INFORMATION TECHNOLOGY**<br>75301/2<br>Credit: 1<br>13027200 | **COMPUTER MAINTENANCE**<br>77841/2<br>Credit: 1<br>13027300 | **COMPUTER TECHNICIAN PRACTICUM I***<br>75331/2<br>79881/2*<br>Credit: 2<br>13027500 | **COMPUTER TECHNICIAN PRACTICUM II**<br>77881/2<br>Credit: 2<br>13027510 |
| | **FUNDAMENTALS OF COMPUTER SCIENCE**<br>74211/2<br>Credit: 1<br>03580140 | **NETWORKING**<br>79651/2<br>Credit: 1<br>13027400 | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Information Technology: Programming & Digital Technology

The Programming and Software Development program of study focuses on occupational and educational opportunities associated with researching, designing, developing, testing, and operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study includes creating, modifying, and testing the codes, forms, and script that allow computer applications to run.

**PROGRAM CERTIFICATION**: Certified Entry-Level Python Programmer (PCEP) Career And Technical Student Organization (CTSO):

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF INFORMATION TECHNOLOGY**<br>75301/2<br>Credit: 1<br>13027200 | **COMPUTER SCIENCE I**<br>75101/2<br>Credit: 1<br>03580200 | **COMPUTER SCIENCE II**<br>75111/2<br>Credit: 1<br>03580300 | **AP COMPUTER SCIENCE MATH**<br>75171/2<br>Credit: 1<br>A3580110 |
| | **FUNDAMENTALS OF COMPUTER SCIENCE**<br>74211/2<br>Credit: 1<br>03580140 | **AP COMPUTER SCIENCE PRINCIPLES**<br>75181/2<br>Credit: 1<br>A3580300 | **GAME PROGRAMMING AND DESIGN**<br>72191/2<br>Credit: 1<br>03580380 | **INDEPENDENT STUDY IN EMERGING TECHNOLOGIES**<br>73021/2<br>Credit: 1<br>03581500 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

# Information Technology: Robotic Manufacturing

The Robotics and Automation Technology program of study focuses on occupational and educational opportunities associated with the assembly, operation, maintenance, and repair of electromechanical equipment or devices. This program of study includes exploration of a variety of mechanical fields, including robotics, refinery and pipeline systems, deep ocean exploration, and hazardous waste removal.

**PROGRAM CERTIFICATION: FANUC Robot Operator I**

**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | | **MANUFACTURING ENGINEERING TECHNOLOGY I**<br>77951/2<br>Credit: 1<br>13032900 | **MANUFACTURING ENGINEERING TECHNOLOGY II**<br>77961/2<br>Credit: 1<br>3032950 | **PRACTICUM IN ROBOTIC MANUFACTURING**<br>79501/2<br>Credit: 2<br>13033000 |
| | | **ROBOTICS I**<br>75671/2<br>Credit: 1<br>13037000 | **ROBOTICS II**<br>77971/2<br>Credit: 1<br>13037050 | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Law and Public Service: Law Enforcement

The Law Enforcement program of study focuses on occupational and educational opportunities associated with the development and enforcement of laws by various branches of law enforcement. This program of study includes the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

**PROGRAM CERTIFICATION**: Non-Commissioned Security Officer Level II License

Career And Technical Student Organization (CTSO): Skills USA

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF LPSC**<br>79821/2<br>Credit: 1<br>13029200 | **COURT SYSTEMS AND PRACTICES***<br>76561/2<br>76271/2<br>Credit: 1<br>13029600 | **LAW ENFORCEMENT I***<br>75421/2<br>76311/2*<br>Credit: 1<br>13029300 | **LAW ENFORCEMENT II***<br>75431/2<br>75241/2*<br>Credit: 1<br>13029400<br>**OR** |
| | **CRIMINAL INVESTIGATION**<br>77601/2<br>Credit: 1<br>13029550 | **CORRECTIONAL SERVICES***<br>75451/2<br>73041/2<br>Credit: 1<br>13029700 | **NATIONAL SECURITY***<br>77681/2<br>73051/2*<br>Credit: 1<br>13018800 | **PRACTICUM IN LAW ENFORCEMENT II DC**<br>79741/2<br>Credit: 2<br>13030100 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Law and Public Service: Legal Studies

The Legal Studies program of study focuses on topics such as legal research, legal writing, rules of procedure, case management, law office technology, and legal ethics. Areas of the legal system studied include aspects of family law, criminal law, and contract law.

**PROGRAM CERTIFICATION:** N/A

**Career And Technical Student Organization (CTSO): Mock Trial**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF LPSC**<br>79821/2<br>Credit: 1<br>13029200 | **COURT SYSTEMS AND PRACTICES***<br>79451/2<br>77561/2*<br>Credit: 1<br>13029600 | **ADVANCED LEGAL SKILLS AND PROFESSIONS***<br>79851/2<br>79841/2*<br>Credit: 1<br>N1303016 | **PRACTICUM IN LEGAL STUDIES***<br>75461/2<br>79861/2*<br>Credit: 2<br>13030100<br>**OR** |
| | **PRINCIPLES OF GOVERNMENT**<br>779821/2<br>Credit: 1<br>13018200 | **LEGAL RESEARCH AND WRITING***<br>77551/2<br>78691/2*<br>Credit: 1<br>13018610 | **BUSINESS LAW***<br>79831/2<br>79831/2*<br>Credit: 1<br>13011700 | |
| ELECTIVES | | | | **POLITICAL SCIENCE I**<br>73171/2<br>Credit: 1<br>13018300 |
| ELECTIVES | | | | |

# Hospitality and Tourism: Culinary Arts

The Culinary Arts program of study focuses on occupational and educational opportunities associated with the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study includes opportunities involved in directing and participating in the preparation of food.

**PROGRAM CERTIFICATION: ServSafe**

**Manager Career And Technical Student Organization (CTSO): Skills USA, Family, Career and Community Leaders of America (FCCLA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF HOSPITALITY AND TOURISM**<br>74671/2<br>Credit: 1<br>13022200<br>**INTRODUCTION TO CULINARY ARTS**<br>76681/2<br>Credit: 1<br>13022550 | **CULINARY ARTS**<br>74721/2<br>Credit: 2<br>13022600 | **PRACTICUM IN HOSPITALITY SERVICES**<br>74761/2<br>Credit: 2<br>13022900<br>OR | **PRACTICUM IN CULINARY ARTS II**<br>79561/2<br>Credit: 2<br>13022710 |
| ELECTIVES | | | **PRACTICUM IN CULINARY ARTS**<br>74731/2<br>Credit: 2<br>13022700 | |
| ELECTIVES | | | | |



# Fine Arts: Studio Arts

The Studio Arts program of study focuses on educational opportunities associated with the creation and interpretation of visual art. This program includes opportunities involved in developing artistic skills, exploring various media such as drawing, painting, and sculpture, and understanding the principles of design and aesthetics. Students will engage in both traditional and contemporary art practices, preparing for careers in fine arts, illustration, or related creative fields.

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| SCHOOL OF STUDIO ARTS | **ART 1**<br>66101/2<br>Credit: 1<br>03500100 | **ART 2-DRAWING**<br>66201/2<br>Credit: 1<br>03500500 | **ART 3-PAINTING**<br>66301/2<br>Credit: 1<br>03501300 | **ART 4-DRAWING**<br>66401<br>Credit: 1<br>03502300 |
| | **GRAPHIC DESIGN**<br>79991/2<br>Credit: 1<br>3580900 | **ART 2- PAINTING**<br>66211/2<br>Credit: 1<br>03500600 | **ART 2D DESIGN**<br>66361/2<br>Credit: 1<br>A3500400 | **AP STUDIO ARTS**<br>66461/2<br>Credit: 1<br>A350300 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

# ADDITIONAL COURSES AT JACK E. SINGLEY ACADEMY

## General Employability Skills
[78591/2 GEMPLS N1270153]
Grades: 10-12 Credits: 1 SINGLEY

## Business Communication & Technologies
[71881/2 BUSICT 13011400]
Grades: 9-12 Credits: 1 SINGLEY

## Banking and Financial Services
[76794 BANKFIN 13016300]
Grades: 9-12 Credits: ½ SINGLEY

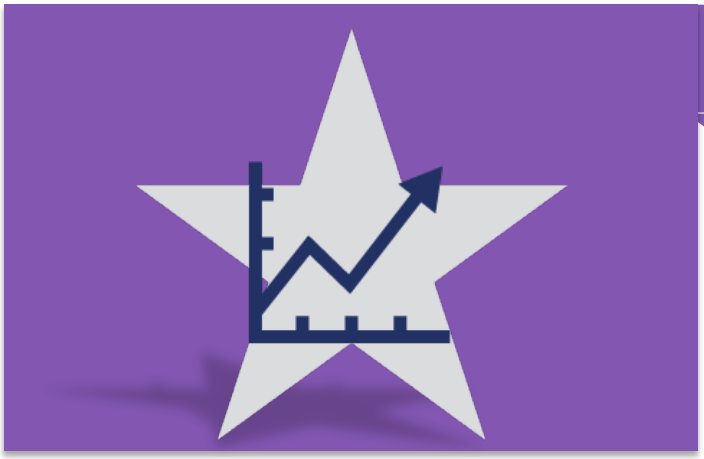
## Professional Communications
[16394 PROFCOMM 13009900]
Grades: 9 Credits: 1/2 SINGLEY

## Dimensions in Diplomacy
[79551/2 DIDPL N1301820]
Grades: 11-12 Credit 1 SINGLEY

## Interpersonal Studies
[79514 INTERSTU 13024400]
Grades: 9-12 Credits: 1/2 I, M, N

# BARBARA CARDWELL CAREER PREPARATORY CENTER





# Business & Marketing: Business Management

The Business Management program of study focuses on occupational and educational opportunities associated with planning, directing, and coordinating the administrative services and operations of an organization. It includes formulating policies, managing daily operations, and allocating the use of materials and human resources. This program of study also introduces students to mathematical modeling tools and organizational evaluation methods.

**PROGRAM CERTIFICATION: Entrepreneurship and Small Business (ESB)**

**Career And Technical Student Organization (CTSO): DECA or Business Professionals of America(BPA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE**<br>74361/2<br>Credit: 1<br>13011200 | **ENTREPRENEURSHIP**<br>75971/2<br>Credit: 1<br>13011101 | **BUSINESS MANAGEMENT**<br>74441/2<br>Credit: 1<br>13012100 | **PRACTICUM IN ENTREPRENEURSHIP**<br>73091/2<br>Credit: 2<br>13012210 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Education & Training: Early Childhood

The Early Childhood program of study provides students with background knowledge of early childhood development principles as well as principles of effective teaching and training practices. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of early learning teachers, trainers, paraprofessionals, or other educational personnel.

**PROGRAM CERTIFICATION: Child Development Associate (CDA)**

**Career And Technical Student Organization (CTSO): Texas Affiliate of Educator's Rising (TAFE)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF EDUCATION AND TRAINING**<br>74461/2<br>Credit: 1<br>13014200 | **CHILD DEVELOPMENT ASSOCIATE FOUNDATIONS**<br>78731/2<br>Credit: 1 | **CHILD GUIDANCE**<br>74811/2<br>Credit: 2<br>13024800 | **PRACTICUM IN EARLY LEARNING**<br>78741/2<br>Credit: 2<br>13014520 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

# IRVING HIGH SCHOOL



# Health Science: Biomedical Science

The Biomedical Science program of study focuses on occupational and educational opportunities associated with the study of biology and medicine. This program of study includes researching and diagnosing diseases, pre-existing conditions, and other determinants of health. Students will also practice patient care and communication.

**PROGRAM CERTIFICATION**: **Biotechnician Assistant Credentialing Exam (BACE)**

**Career And Technical Student Organization (CTSO): Health Occupations Students of America (HOSA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF BIOSCIENCE**<br>79751/2<br>Credit: 1<br>13036300 | **BIOTECHNOLOGY I**<br>76901/2<br>Credit: 1<br>13036400 | **BIOTECHNOLOGY II**<br>76911/2<br>Credit: 1<br>13036450 | **PRACTICUM IN BIOMEDICAL SCIENCE**<br>74631/2<br>Credit: 2<br>13020500 |
| ELECTIVES | | | **MEDICAL TERMINOLOGY**<br>74571/2<br>Credit: 1<br>13020300 | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Transportation & Logistics: Aviation Maintenance

The Aviation Maintenance program of study focuses on occupational and educational opportunities associated with maintenance and repair of airframe structures, systems, and components of an aircraft. This program of study includes exploration of aircraft maintenance procedures, air navigational aids, air traffic controls, and communication equipment to ensure compliance with federal safety regulations.

**PROGRAM CERTIFICATION: Aerospace Manufacturing Certification**
**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **INTRODUCTION TO AEROSPACE AND AVIATION**<br>78961/2<br>Credit: 1<br>N1304672 | **INTRODUCTION TO AIRCRAFT TECHNOLOGY**<br>76771/2<br>Credit: 1<br>13039350 | **AIR TECH I (AIRFRAME)**<br>77751/2<br>Credit: 2<br>13039400 | **AIR TECH II (POWERPLANT)**<br>76781/2<br>Credit: 2<br>13039500 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Transportation & Logistics: Drone Engineering

The Aviation Maintenance program of study focuses on occupational and educational opportunities associated with maintenance and repair of airframe structures, systems, and components of an aircraft. This program of study includes exploration of aircraft maintenance procedures, air navigational aids, air traffic controls, and communication equipment to ensure compliance with federal safety regulations.

**PROGRAM CERTIFICATION: Aerospace Manufacturing Certification**
**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **INTRODUCTION TO AEROSPACE AND AVIATION**<br>78961/2<br>Credit: 1<br>N1304672 | **UNMANNED AERIAL VEHICLES**<br>73101/2<br>Credit: 1<br>N1304670 | **DRONE ENGINEERING I**<br>73131/2<br>Credit: 1<br>13037000 | **DRONE ENGINEERING 2**<br>73141/2<br>Credit: 1<br>13037050 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Junior Reserve Officers' Training Corp: MARINE CORPS

The JROTC program of study emphasizes leadership development, civic responsibility, and personal growth through a structured military framework. Students explore the history, organization, and purpose of military service at local, state, and federal levels, while gaining a foundational understanding of the U.S. Constitution and the role it plays in shaping civic life. The courses foster discipline, teamwork, and decision-making, encouraging students to become engaged citizens and future leaders in their communities.

**PROGRAM CERTIFICATION: TBD**

**Career And Technical Student Organization (CTSO): N/A**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **LEADERSHIP EDUCATION/JROTC 1**<br>85131/2<br>Credit: 1<br>03160100 | **LEADERSHIP EDUCATION/JROTC 2**<br>85141/2<br>Credit: 1<br>03160200 | **LEADERSHIP EDUCATION/JROTC 3**<br>85151/2<br>Credit: 1<br>03160300 | **LEADERSHIP EDUCATION/JROTC 4**<br>85161/2<br>Credit: 1<br>03160400 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

Note: JROTC I may be used to satisfy one PE credit

# MACARTHUR HIGH SCHOOL



# Architecture & Construction: Architecture

The Architectural Drafting and Design program of study focuses on occupational and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study includes reading, interpreting, and drawing blueprints for interior and exterior construction projects.

**PROGRAM CERTIFICATION: Autodesk Associate (Certified User) Revit**

**Architecture Career And Technical Student Organization (CTSO): Technology Student**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF CONSTRUCTION**<br>76851/2<br>Credit: 1<br>13004220 | **PRINCIPLES OF ARCHITECTURE**<br>76921/2<br>Credit: 1<br>13004210 | **ARCHITECTURAL DESIGN I**<br>74151/2<br>Credit: 1<br>13004600 | **ARCHITECTURAL DESIGN II**<br>74161/2<br>Credit: 2<br>13004700 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

# Architecture & Construction: Civil Engineering

The Civil Engineering program of study focuses on occupational and educational opportunities associated with the design, build, operation, and maintenance of infrastructure related to roads, buildings, airports, bridges, and transportation systems. This program of study includes exploration of infrastructure, site inspections, feasibility assessments and scope, and cost estimates. It addresses applying scientific, mathematical, and empirical evidence to solve problems in construction, infrastructure, and the environment.

**PROGRAM CERTIFICATION: Autodesk Associate (Certified User) Fusion 360**

**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF CONSTRUCTION**<br>76851/2<br>Credit: 1<br>13004220 | **CIVIL ENGINEERING I**<br>79711/2<br>Credit: 1<br>13036800 | **CIVIL ENGINEERING II**<br>73121/2<br>Credit: 2<br>13037300 | **PRACTICUM IN CIVIL ENGINEERING**<br>75661/2<br>Credit: 2<br>12756080 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

# Architecture & Construction: Construction

The Architectural Drafting and Design program of study focuses on occupational and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study includes reading, interpreting, and drawing blueprints for interior and exterior construction projects.

**PROGRAM CERTIFICATION: Autodesk Associate (Certified User) Revit Architecture**

**Career And Technical Student Organization (CTSO): Technology Student Association (TSA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF CONSTRUCTION**<br>76851/2<br>Credit: 1<br>13004220 | **CONSTRUCTION 1**<br>75371/2<br>Credit: 2<br>13005100 | **CONSTRUCTION 2**<br>76931/2<br>Credit: 2<br>13005200 | **PRACTICUM IN CONSTRUCTION**<br>76951/2<br>Credit: 2<br>13005250 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

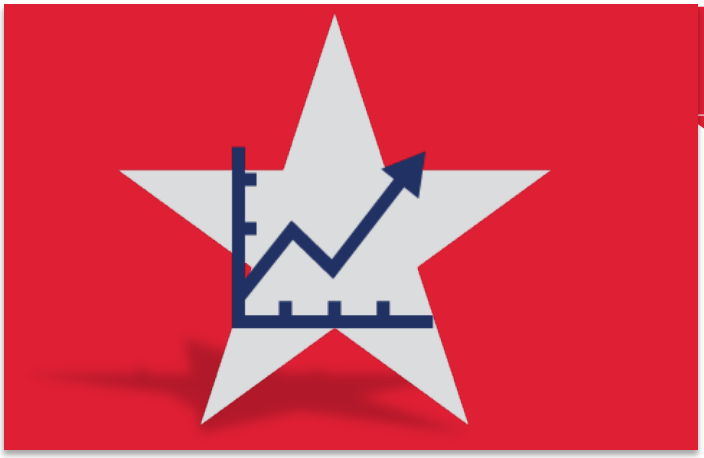
# Architecture & Construction: Welding

The Manufacturing career cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and process engineering. This career cluster includes occupations ranging from welder and machinist to industrial engineering technician and semi-conductor processing technician.

**PROGRAM CERTIFICATION: AWS D1.1 Structural Steel & AWS D9.1 Sheet Metal Welding**

**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | PRINCIPLES OF CONSTRUCTION<br>76851/2<br>Credit: 1<br>13004220 | INTRODUCTION TO WELDING<br>79491/2<br>Credit: 1<br>13032250 | WELDING I<br>78651/2<br>Credit: 2<br>13032300 | PRACTICUM IN WELDING<br>79761/2<br>Credit: 2<br>13033000 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Business & Marketing: Administrative Management

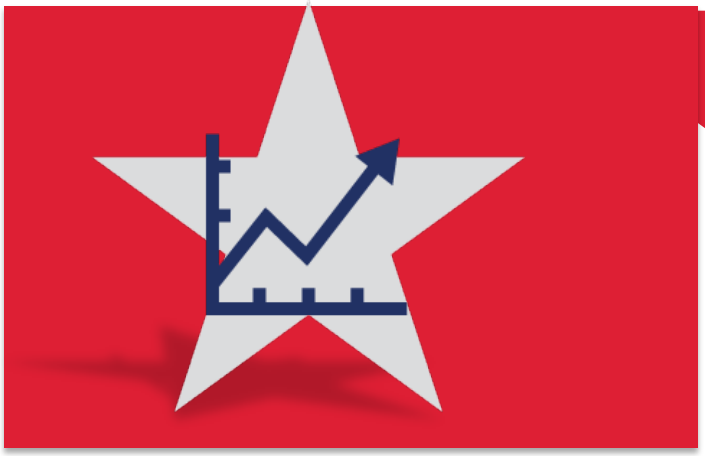
The Business Management program of study focuses on occupational and educational opportunities associated with planning, directing, and coordinating the administrative services and operations of an organization. It includes formulating policies, managing daily operations, and allocating the use of materials and human resources. This program of study also introduces students to mathematical modeling tools and organizational evaluation methods.

**PROGRAM CERTIFICATION: Entrepreneurship and Small Business (ESB)**

**Career And Technical Student Organization (CTSO): DECA or Business Professionals of America(BPA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE**<br>74361/2<br>Credit: 1<br>13011200 | **BUSINESS COMMUNINCATIONS & TECHNOLOGIES**<br>71871/2<br>Credit: 1<br>13011500 | **BUSINESS MANAGEMENT**<br>78481/2<br>78451/2 DC*<br>Credit: 1<br>13012100 | **PRACTICUM IN BUSINESS MANAGEMENT**<br>78491/2<br>Credit: 2<br>13012200 |
| ELECTIVES | | | **BUSINESS LAW**<br>74391/2<br>Credit: 1<br>13011700 | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

## MACARTHUR HIGH SCHOOL

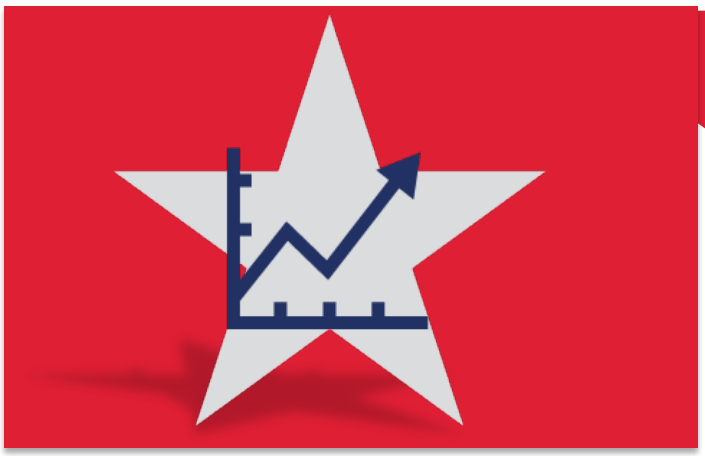


# Business & Marketing: Entrepreneurship

The Entrepreneurship program of study focuses on occupational and educational opportunities associated with planning, launching, directing, and coordinating public or private sector ventures. This program of study includes formulating policies, launching businesses or organizations, managing daily operations, analyzing management structures, and planning for the use of materials and human resources.

**PROGRAM CERTIFICATION: Entrepreneurship and Small Business (ESB) Career And Technical Student Organization (CTSO): DECA or Business Professionals of America (BPA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE**<br>74361/2<br>Credit: 1<br>13011200 | **ENTREPRENEURSHIP I**<br>75971/2<br>Credit: 1<br>13011101 | **ENTREPRENEURSHIP II**<br>72151/2<br>Credit: 1<br>13011102 | **PRACTICUM IN ENTREPRENEURSHIP**<br>79801/2<br>Credit: 2<br>13012210 |
| ELECTIVES | | | **BUSINESS MANAGEMENT**<br>78481/2<br>Credit: 1<br>13012100 | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



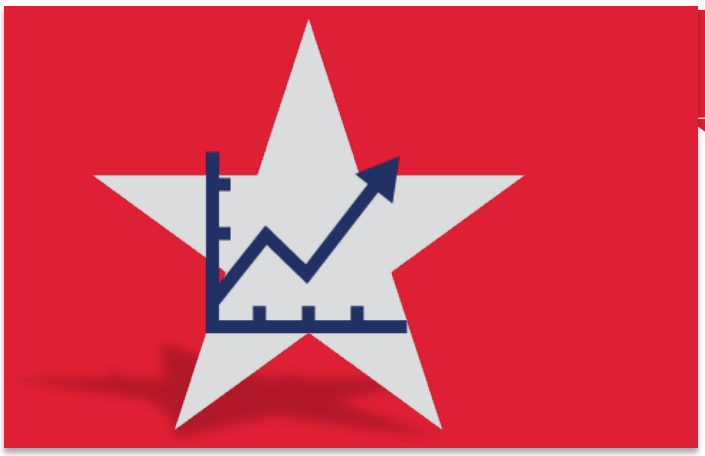
# Business & Marketing: Real Estate

The Real Estate program of study focuses on occupational and educational opportunities associated with financing, selling, and contracting real estate. This program of study includes management, economics, marketing, and financial principles of real estate evaluation. It also addresses commercial real estate including lending, developing, brokering, and financing.

**PROGRAM CERTIFICATION: Real Estate Sales Agent License**

**Career And Technical Student Organization (CTSO): DECA or Business Professionals of America(BPA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE**<br>74361/2<br>Credit: 1<br>13011200 | **FUNDAMENTALS OF REAL ESTATE**<br>78981/2<br>Credit: 2<br>N1301120 | **PRACTICUM IN REAL ESTATE 1**<br>79791/2<br>Credit: 2<br>13034800 | **PRACTICUM IN REAL ESTATE II**<br>79801/2<br>Credit: 2<br>13034810 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Business & Marketing: Retail Management

The Retail Management regional program of study focuses on occupational and educational opportunities associated with driving sales through innovative approaches and strategic planning. It includes product development, customer intercepts, package engineering, and organizational development. This program of study also addresses human resources, advertising, social media, logistics, and employee relationships.

**PROGRAM CERTIFICATION: Entrepreneurship and Small Business (ESB)**

**Career And Technical Student Organization (CTSO): DECA or Business Professionals of America(BPA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE**<br>74361/2<br>Credit: 1<br>13011200 | **RETAIL MANAGEMENT**<br>78991/2<br>Credit: 1<br>13011133 | **PRACTICUM IN MARKETING I**<br>75571/2<br>Credit: 2<br>13034800 | **PRACTICUM IN MARKETING II**<br>76641/2<br>Credit: 2<br>13034810<br>**OR** |
| ELECTIVES | | | | **ADVANCED MARKETING**<br>75561/2<br>Credit: 2<br>13034700 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Junior Reserve Officers' Training Corp: ARMY

The JROTC program of study emphasizes leadership development, civic responsibility, and personal growth through a structured military framework. Students explore the history, organization, and purpose of military service at local, state, and federal levels, while gaining a foundational understanding of the U.S. Constitution and the role it plays in shaping civic life. The courses foster discipline, teamwork, and decision-making, encouraging students to become engaged citizens and future leaders in their communities.

**PROGRAM CERTIFICATION: TBD**

**Career And Technical Student Organization (CTSO): N/A**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **LEADERSHIP EDUCATION/JROTC 1**<br>85131/2<br>Credit: 1<br>03160100 | **LEADERSHIP EDUCATION/JROTC 2**<br>85141/2<br>Credit: 1<br>03160200 | **LEADERSHIP EDUCATION/JROTC 3**<br>85151/2<br>Credit: 1<br>03160300 | **LEADERSHIP EDUCATION/JROTC 4**<br>85161/2<br>Credit: 1<br>03160400 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

Note: JROTC I may be used to satisfy one PE credit

# NIMITZ HIGH SCHOOL



# Agricultural: Veterinary Science

The Animal Science program of study focuses on occupational and educational opportunities associated with the science, research, and business of animals and other living organisms. This program of study includes applying biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students will research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.

**PROGRAM CERTIFICATION: ELANCO VETERINARY MEDICAL APPLICATIONS**

**Career And Technical Student Organization (CTSO): Future Farmers of America (FFA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF AGRICULTURE**<br>74001/2<br>Credit: 1<br>13000200 | **SMALL ANIMAL MANAGEMENT**<br>74014<br>Credit: 0.5<br>13000400<br>**EQUINE SCIENCE**<br>74024<br>Credit: 0.5<br>13000500 | **VETERINARY MEDICAL APPLICATIONS**<br>74031/2<br>Credit: 2<br>1300610 | **PRACTICUM IN VETERINARY SCIENCE**<br>74121/2<br>Credit: 2<br>13002500<br>OR<br>**ADVANCED ANIMAL SCIENCE**<br>36111/2<br>Credit: 1<br>13000700 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

## NIMITZ HIGH SCHOOL

# Agricultural: Plant Science

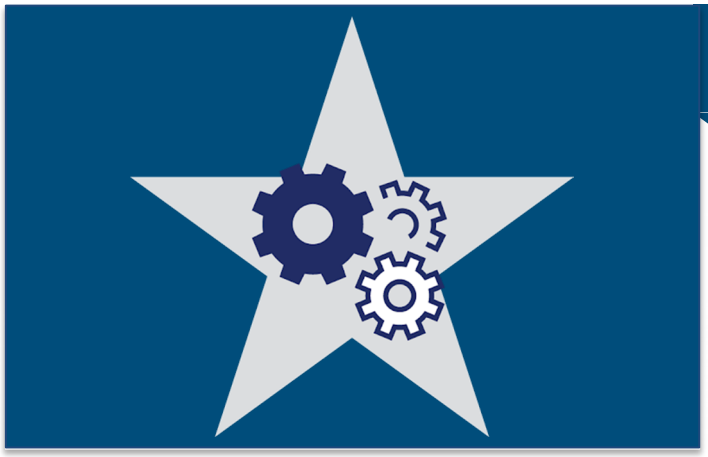
The Plant Science program of study focuses on occupational and educational opportunities associated with the science, research, and business of plants and other living organisms. This program of study includes the application of biology and life science to real-world life processes of plants and vegetation, either in laboratories or in the field.

**PROGRAM CERTIFICATION: BASF Plant Science**

**Career And Technical Student Organization (CTSO): Future Farmers of America (FFA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF AGRICULTURE**<br>74001/2<br>Credit: 1<br>13000200 | **HORTICULTURE SCIENCE**<br>74091/2<br>Credit: 1<br>13002000 | **GREENHOUSE OPERATIONS AND PRODUCTION**<br>77441/2<br>Credit: 2<br>13002060 | **PRACTICUM IN PLANT SCIENCE**<br>73271/2<br>Credit: 2<br>13002510 |
| ADDITIONAL ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

## NIMITZ HIGH SCHOOL



# Engineering: Sustainable Engineering

The Engineering Foundations program of study focuses on occupational and educational opportunities associated with a wide range of skills applied in the Engineering industry. Students will design, test, and evaluate projects related to engines, machines, and structures. This program of study incudes applying scientific, mathematical, and empirical evidence to solve problems through innovation, design, construction, operation, and maintenance of different engineering systems.

**PROGRAM CERTIFICATION: Autodesk Associate (Certified User) Inventor for Mechanical Design**

**Career And Technical Student Organization (CTSO): Technology Student Association (TSA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF APPLIED ENGINEERING**<br>776611/2<br>Credit: 1<br>13036200 | **INTRODUCTION TO COMPUTER-AIDED DESIGN**<br>72171/2<br>Credit: 1<br>13037350 | **SCIENTIFIC RESEARCH AND DESIGN**<br>35261/2<br>Credit: 1<br>13037200 | **PRACTICUM IN ENGINEERING**<br>/2<br>Credit: 2<br>12756080 |
| ELECTIVES | | | **ENGINEERING DESIGN AND PRESENTATION I**<br>73121/2<br>Credit: 1<br>13037300 | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Junior Reserve Officers' Training Corp: NAVY

The JROTC program of study emphasizes leadership development, civic responsibility, and personal growth through a structured military framework. Students explore the history, organization, and purpose of military service at local, state, and federal levels, while gaining a foundational understanding of the U.S. Constitution and the role it plays in shaping civic life. The courses foster discipline, teamwork, and decision-making, encouraging students to become engaged citizens and future leaders in their communities.

**PROGRAM CERTIFICATION: TBD**

**Career And Technical Student Organization (CTSO): N/A**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **LEADERSHIP EDUCATION/JROTC 1**<br>85131/2<br>Credit: 1<br>03160100 | **LEADERSHIP EDUCATION/JROTC 2**<br>85141/2<br>Credit: 1<br>03160200 | **LEADERSHIP EDUCATION/JROTC 3**<br>85151/2<br>Credit: 1<br>03160300 | **LEADERSHIP EDUCATION/JROTC 4**<br>85161/2<br>Credit: 1<br>03160400 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

Note: JROTC I may be used to satisfy one PE credit

# ADDITIONAL CAREER PATHWAYS



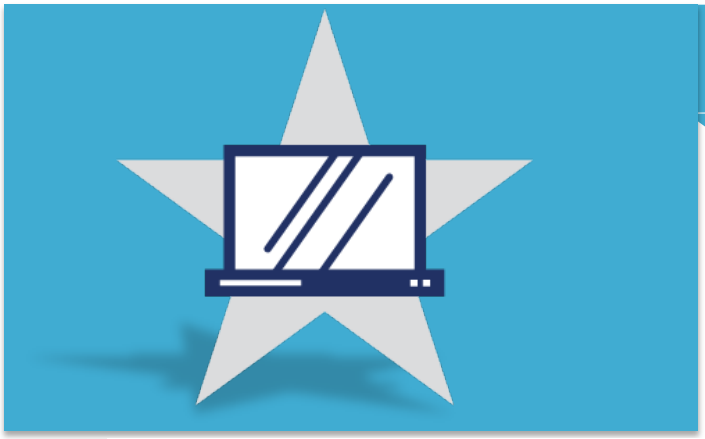
# Education & Training: Teaching

The Teaching and Training program of study focuses on occupational and educational opportunities associated with careers related to teaching, instructing, and creating instructional and enrichment materials. The program of study includes recognizing a variety of student groups and their corresponding needs, identifying processes for developing curriculum and coordinating educational content, and coaching groups and individuals.

**PROGRAM CERTIFICATION: Educational Aide I**

**Career And Technical Student Organization (CTSO): Texas Affiliate of Educator's Rising (TAFE)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF EDUCATION AND TRAINING**<br>74461/2<br>Credit: 1<br>13014200 | **HUMAN GROWTH AND DEVELOPMENT**<br>74471/2<br>79361/2 DC*<br>Credit: 1<br>13014300 | **INSTRUCTIONAL PRACTICES**<br>74481/2<br>79381/2 DC*<br>Credit: 2<br>13014400 | **PRACTICUM IN EDUCATION AND TRAINING**<br>74481/2<br>79391/2 DC*<br>Credit: 2<br>13014500 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Information Technology: Computer Science

The Information Technology Support and Services program of study focuses on occupational and educational opportunities associated with administering, testing, and implementing computer databases and applying knowledge of database management systems. This program of study includes analyzing user requirements, automating or improving existing systems, and reviewing computer system capabilities. It also includes research, design, and testing of computer or computer-related equipment for commercial, industrial, military, or scientific use.

**PROGRAM CERTIFICATION: Certified Entry-Level Python Programmer (PCEP)**

**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **FUNDAMENTALS OF COMPUTER SCIENCE**<br>79591/2<br>Credit: 1<br>03580140 | **COMPUTER SCIENCE I**<br>75101/2<br>Credit: 1<br>03580200 | **COMPUTER SCIENCE II**<br>75111/2<br>Credit: 1<br>03580300 | **INDEPENDENT STUDY IN EMERGING TECHNOLOGIES**<br>73021/2<br>Credit: 1<br>03581500 |
| ADDITIONAL COMPUTER SCIENCE ELECTIVES | | **AP COMPUTER SCIENCE PRINCIPLES**<br>75181/2<br>Credit: 1<br>A3580300 | **AP COMPUTER SCIENCE MATH**<br>75191/2<br>Credit: 1<br>A3580110 | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Transportation & Logistics: Automotive

The Automotive program of study focuses on the occupational and educational opportunities associated with servicing, repairing, and refinishing various types of vehicles. This program of study includes diagnosing and servicing vehicles and learning about processes, technologies, and materials used in reconstructing vehicles.

**PROGRAM CERTIFICATION: ASE Entry-Level Automobile**

**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | GENERAL EMPLOYABILLITY SKILS<br>78591/2<br>Credit: 1<br>N1270153 | AUTOMOTIVE TECHNOLOGY I<br>75731/2<br>Credit: 2<br>13039900 | AUTOMOTIVE TECHNOLOGY II<br>75741/2<br>Credit: 2<br>13039700 | PRACTICUM IN TRANSPORTATION<br>76731/2<br>Credit: 3<br>13040450 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Transportation & Logistics: Collision Repair

The Collision Repair program of study focuses on the occupational and educational opportunities associated with servicing, repairing, and refinishing various types of vehicles. This program of study includes diagnosing and servicing vehicles and learning about processes, technologies, and materials used in reconstructing vehicles.

**PROGRAM CERTIFICATION: ASE Entry-Level Automobile**

**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **GENERAL EMPLOYABILLITY SKILS**<br><br>78591/2<br>Credit: 1<br>N1270153 | **COLLISION REPAIR**<br><br>75751/2<br>Credit: 2<br>13039800 | **PAINT AND REFINISHING**<br><br>75761/2<br>Credit: 2<br>13039900 | **PRACTICUM IN TRANSPORTATION**<br><br>76731/2<br>Credit: 2<br>13040450 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Transportation & Logistics: Diesel Technology

The Diesel, Heavy Equipment Maintenance, and Commercial Drivers program of study focuses on occupational and educational opportunities associated with the function, operations, diagnosis, and service of diesel and heavy equipment systems. This program of study includes driving, inspecting, diagnosing, and repairing off-highway and on-highway vehicles and equipment.

**PROGRAM CERTIFICATION: ASE Entry-Level Automobile**

**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **GENERAL EMPLOYABILLITY SKILS**<br>78591/2<br>Credit: 1<br>N1270153 | **DIESEL TECHNOLOGY I**<br>76741/2<br>Credit: 2<br>13040150 | **DIESEL TECHNOLOGY II**<br>76751/2<br>Credit: 2<br>13039900 | **PRACTICUM IN TRANSPORTATION SYSTEMS**<br>76731/2<br>Credit: 3<br>13040455 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

# Hospitality and Tourism: Culinary Arts

The Culinary Arts program of study focuses on occupational and educational opportunities associated with the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study includes opportunities involved in directing and participating in the preparation of food.

**PROGRAM CERTIFICATION: ServSafe Manager**

**Career And Technical Student Organization (CTSO): Skills USA, Family, Career and Community Leaders of America (FCCLA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF HOSPITALITY AND TOURISM**<br>74671/2<br>Credit: 1<br>13022200 | **FOUNDATIONS OF RESTAURANT MANAGEMENT**<br>79811/2<br>Credit: 1<br>13022720 | **CULINARY ARTS**<br>74721/2<br>Credit: 2<br>13022600 | **PRACTICUM IN CULINARY ARTS**<br>74731/2<br>Credit: 2<br>13022700 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Hospitality and Tourism: Lodging and Resort Management

The Lodging and Resort Management program of study focuses on occupational and educational opportunities associated with the logistical and operational management of lodging and resorts. This program of study addresses human resources, financial analysis, and marketing.

**PROGRAM CERTIFICATION: General Management**

**Career And Technical Student Organization (CTSO): Skills USA, Family, Career and Community Leaders of America (FCCLA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF HOSPITALITY AND TOURISM**<br>74671/2<br>Credit: 1<br>13022200 | **FOUNDATIONS OF RESTAURANT MANAGEMENT**<br>79811/2<br>Credit: 1<br>13022720 | **HOSPITALITY SERVICES**<br>75691/2<br>Credit: 2<br>13022800 | **PRACTICUM IN HOSPITALITY SERVICES**<br>74761/2<br>Credit: 2<br>13022900 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Business & Marketing: Business Management

The Business Management program of study focuses on occupational and educational opportunities associated with planning, directing, and coordinating the administrative services and operations of an organization. It includes formulating policies, managing daily operations, and allocating the use of materials and human resources. This program of study also introduces students to mathematical modeling tools and organizational evaluation methods.

**PROGRAM CERTIFICATION: Entrepreneurship and Small Business (ESB)**

**Career And Technical Student Organization (CTSO): DECA or Business Professionals of America(BPA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE**<br>74361/2<br>Credit: 1<br>13011200 | **GLOBAL BUSINESS**<br>74404<br>Credit: .5<br>13011800<br>**HUMAN RESOURCES MANAGEMENT**<br>74424<br>Credit: .5<br>13011900 | **BUSINESS MANAGEMENT**<br>74441/2<br>74911/2 DC*<br>Credit: 1<br>13012100 | **PRACTICUM IN BUSINESS MANAGEMENT**<br>74451/2<br>Credit: 2<br>13012200 |
| ELECTIVES | | | **BUSINESS LAW**<br>74391/2<br>Credit: 1<br>13011700 | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Business & Marketing: Marketing and Sales

The Marketing and Sales program of study focuses on occupational and educational opportunities associated with collecting information to estimate potential sales of a product or service and create campaigns to market or distribute goods and services. It includes applying data related to customer demographics, preferences, needs, and buying habits.

**PROGRAM CERTIFICATION: Entrepreneurship and Small Business (ESB)**

**Career And Technical Student Organization (CTSO): DECA or Business Professionals of America(BPA)**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE**<br>74361/2<br>Credit: 1<br>13011200 | **SOCIAL MEDIA MARKETING**<br>76634<br>Credit: 0.5<br>13034650<br>**VIRTUAL BUSINESS**<br>74434<br>Credit: 0.5<br>13012000 | **ADVANCED MARKETING**<br>75561/2<br>Credit: 2<br>13034700 | **PRACTICUM IN MARKETING**<br>75571/2<br>Credit: 2<br>13034800 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

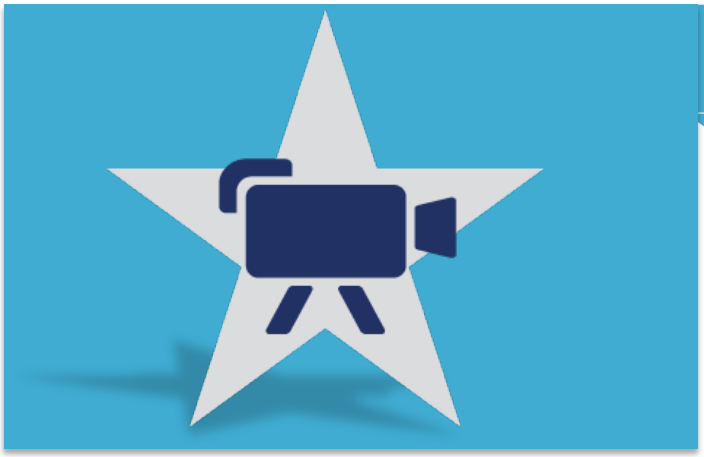


# Human Services: Cosmetology

The Early Learning program of study focuses on occupational and educational opportunities associated with instructing and supporting preschool and early elementary school students. This program of study addresses social, physical, and intellectual growth and skills necessary for planning, directing, and coordinating activities for young children.

**PROGRAM CERTIFICATION: Child Development Associate (CDA) Cosmetology Esthetician License**
**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | GENERAL EMPLOYABILLITY SKILS<br>78591/2<br>Credit: 1<br>N1270153 | COSMETOLOGY I<br>78821/2<br>Credit: 2<br>13025200 | COSMETOLOGY II<br>78831/2<br>Credit: 2<br>13025300 | PRACTICUM IN COSMETOLOGY<br>72161/2<br>Credit: 2<br>13011111 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

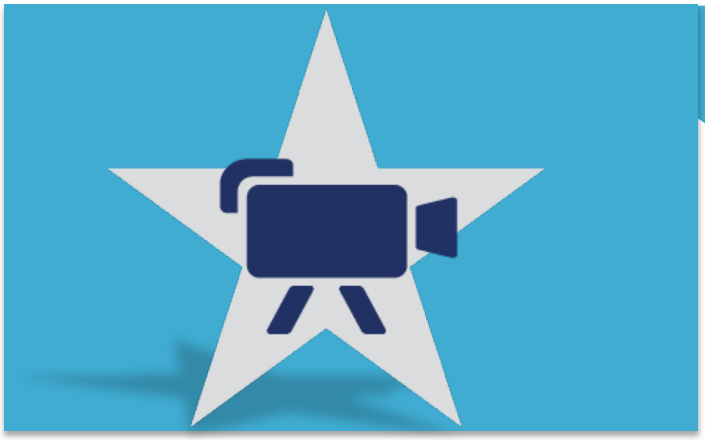


# Arts, AV Technology: Digital Communication

The Digital Communications program of study focuses on occupational and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. The program of study includes operating machines and equipment such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment to record sound and images.

**PROGRAM CERTIFICATION: Adobe Certified Professional in Digital Video Using Adobe Premiere Pro**
**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY**<br>74221/2<br>Credit: 1<br>13008200 | **AUDIO/VIDEO PRODUCTION I**<br>74251/2<br>Credit: 1<br>13008500 | **AUDIO/VIDEO PRODUCTION II**<br>76531/2<br>Credit: 2<br>13008610 | **PRACTICUM IN AUDIO/VIDEO PRODUCTION**<br>76571/2<br>Credit: 2<br>13008700 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |



# Arts, AV Technology: Graphic Design

The Graphic Design and Interactive Media program of study focuses on occupational and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. The program of study includes designing clothing and accessories and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media for use in computer games, movies, music videos, and commercials.

**PROGRAM CERTIFICATION: Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator**

**Career And Technical Student Organization (CTSO): Skills USA**

| | COURSE 1 | COURSE 2 | COURSE 3 | COURSE 4 |
|---|---|---|---|---|
| LANGUAGE ARTS | | | | |
| MATHEMATICS | | | | |
| SCIENCE | | | | |
| SOCIAL STUDIES | | | | |
| CTE PROGRAM OF STUDY | **PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY**<br>74221/2<br>Credit: 1<br>13008200 | **GRAPHIC DESIGN I**<br>74291/2<br>Credit: 1<br>13008800 | **GRAPHIC DESIGN II**<br>76601/2<br>Credit: 2<br>13008910 | **PRACTICUM IN GRAPHIC DESIGN**<br>74281/2<br>Credit: 2<br>13009000 |
| ELECTIVES | | | | |
| ELECTIVES | | | | |
| ELECTIVES | | | | |

# ADDITIONAL COURSES AT CARDWELL HS, Irving HS, MacArthur HS, & Nimitz HS

**Professional Communications**
[16394 PROFCOMM 13009900]
Grades: 9 Credits: 1/2 I, M, N, S, BC

**Advertising**
[75524 ADVERTIS 13034200]
Grades 9-12 Credits: 1/2 M

**Entrepreneurship**
[75971/2 ENTREP 13011101]
Grades: 10-12 Credits: 1 I, N, BC

**Banking and Financial Services**
[76794 BANKFIN 13016300]
Grades: 9-12 Credits: 1/2 I, N, S

**Interpersonal Studies**
[79514 INTERSTU 13024400]
Grades: 9-12 Credits: 1/2 I, M, N

**Dimensions in Diplomacy**
[79551/2 N1301820 DIDPL]
Grades: 11-12 Credits: 1 I, M, N

**Commercial Photography**
[78601/2 13009100 CPHOTO1]
Grades: 9-12 Credits: 1 I, M, N

## CTE MATH AND SCIENCE COURSES

**Anatomy and Physiology**
[35221/2 ANATPHYS 13020600]
Grades: 11-12 Credits: 1 I, M, N, S, BC

**Forensic Science**
[36151/2 FORENSCI 13029500]
Grades: 11-12 Credits: 1 I, M, N, S, BC

# Frequently Asked Questions

## What is Honors?

Honors courses are available to students in middle and high school. These courses foster a high level of engagement and are open to any student who is willing and prepared to take on challenging course work. The course goes beyond the state standards and is designed to be appropriately rigorous to prepare students to be successful in Advanced Placement (AP) Courses. Within high school, honors courses are available in English Language Arts, Mathematics, Science, Social Studies and Languages Other Than English (LOTE).

## What is AP?

Advanced Placement (AP) courses allow students to participate in college-level courses and possibly earn college credit while still in high school. This is accomplished by taking an end of course AP exam designed by The College Board.
The score earned on the AP exam determines college credit. Each university sets the standard for the qualifying score for credit. Consult your intended university for more information on awarding credit. AP courses are offered in English Language Arts, Mathematics, Social Studies, Science, Languages Other Than English, Art and Music. Students enrolled in Advanced Placement (AP) course are required to take the AP Exam for the course in May. Failure to do so will result in the loss of AP weighted points for the course in which the exam is not taken. The test fees for AP tests are paid by the school district.

## What is GT?

Gifted and talented (GT) services are specifically designed for the strengths and learning needs of the gifted learner, grades K-12. Specially trained teachers provide learning opportunities with course content that is either above-grade level or goes beyond the state standards, allowing student to excel and compete at the national level. The students demonstrate skills in self-directed learning, thinking, research and communication and develop innovative products and performances that reflect creativity, individuality and professional-level quality. Students must qualify for these accelerated courses through a referral and assessment process. Gifted courses available at high school are:

English: English 2 GT, GTISM I-IV, AP Capstone Seminar and Research
Mathematics: Geometry GT, Algebra II GT Science: Chemistry GT, AP Physics 1

## What is Dual Credit?

Dual Credit is a pre-college program through which qualified high school students can enroll in specifically approved classes taught by qualified high school teachers on the high school campus during normal high school hours. Students receive "dual credit", i.e. both high school and college credit for their work.

## What is Concurrent Enrollment?

High school juniors and seniors can earn college credit at the same time they are completing requirements for high school graduation. Concurrent enrollment courses are taught on the college campus by college professors and high school students can participate in classes right along with full time college students. Some concurrent enrollment courses may be taken for both college credit as well as high school credit, while other courses may be taken strictly for college credit.

**Concurrent Enrollment**
Students wishing to take courses at North Lake College for college credit need to see their counselor.

## What is PRN and FND courses?

**Principles (PRN)**-Courses designed with modifications to the grade level curriculum. Enrollment in Principles level courses is based on the recommendations from the Individualized Education Program.

**Fundamentals (FND)**-Courses focus on the prerequisite skills to the grade level curriculum. Enrollment in fundamentals level courses is based on the recommendations from the Individualized Education Program.

**If you have any questions or concerns,**

**please contact your school counselor.**