

# KRUM

THE CHALLENGES OF TODAY

# HIGH

PREPARE US FOR FUTURE ACHIEVEMENT

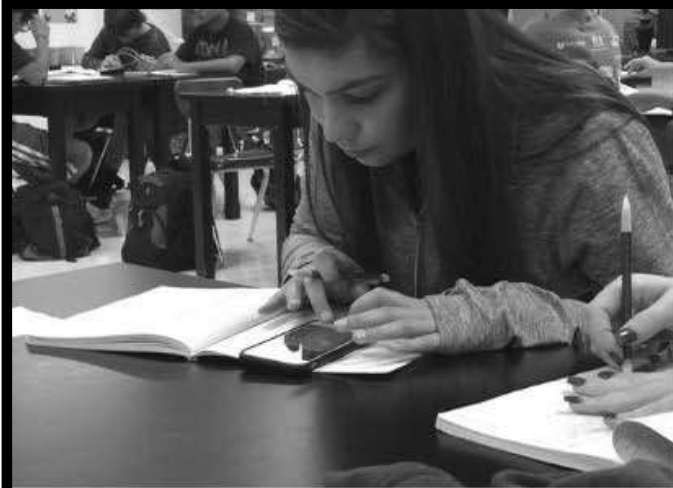
# SCHOOL

SCHOLARSHIP-LEADERSHIP-SERVICE

CLASS OF 2024–2026

2024–2025  
ACADEMIC  
PLANNING GUIDE

YOUR GUIDE TO POSTSECONDARY SUCCESS



# KRUM ISD MISSION

Krum ISD's mission is to create a collaborative atmosphere with parents, students and members of the community in order to ensure students will reach their full potential by providing every child with an exceptional education. We will strive to prepare our students academically and socially to embrace their future challenges, as well as ignite the desire to be lifelong learners, by providing a safe, respectful and positive learning environment.



**KRUM HIGH SCHOOL**



*Home of Champions*

**SCHOLARSHIP · LEADERSHIP · SERVICE**

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Dear KHS Students and Parents,

Krum ISD's mission is to create a collaborative atmosphere with parents, students, and members of the community in order to ensure students will reach their full potential by providing every child with an exceptional education. We will strive to prepare our students academically and socially to embrace their future challenges, as well as ignite the desire to be lifelong learners, by providing a safe, respectful and positive learning environment.

The KHS Academic Planning Guide is designed to help students and parents understand their specific graduation plan requirements and choose appropriate courses that will help the student achieve their future goals.

Each year, course selection can be an exciting time for students. However, it can also be very frustrating when a course is not available due to scheduling conflicts, class size limitations, and/or teacher availability. Please make your course selections carefully. Classes are subject to minimum class sizes and may not be scheduled due to lack of interest. It is important that students consider alternate course choices just in case his/her first choice is not available. Please note that all courses will not be offered every semester of every year. Please remember that upperclassmen will be given priority in courses with limited enrollment.

Teacher assignments are based on student course requests. Students may change their 2024-2025 schedule request for any reason until the last day of the 2023-2024 school year, as long as the student is still requesting courses that meet graduation requirements. After the last day of school consideration for schedule change requests should meet the following criteria:

- A change is needed to balance a class size.
- Seniors not enrolled in a course **REQUIRED** for graduation.
- Students scheduled in a course for which they already have credit (Ex: Summer School Credit)
- Student is enrolled in a course for which the student does not have the prerequisite.
- Students with incomplete schedules.
- Student has failed a course and needs to repeat the course.
- Student is removed from athletic program.

The courses you select will prepare you for your future so please choose carefully and enjoy your high school experience!

Sincerely,

KHS Counseling Department

**KRUM HIGH SCHOOL**



*Home of Champions*  
SCHOLARSHIP · LEADERSHIP · SERVICE

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## Graduation Requirements

The graduation requirements below satisfy graduation requirements established by the State of Texas and Krum ISD. Krum ISD encourages every parent to the greatest extent practicable, to have the student choose a high school personal graduation plan that promotes college and workforce readiness, career placement and advancement, and facilitates the student's transition from secondary to postsecondary education.

Krum ISD requires each student, upon entering ninth grade, indicate in writing an endorsement that the student intends to earn. Krum ISD permits a student to choose, at any time, to earn an endorsement other than the endorsement the student previously indicated. A student may graduate under the foundation high school program without earning an endorsement if, after the student's sophomore year:

- (1) the student and the student's parent or person standing in parental relation to the student are advised by a school counselor of the specific benefits of graduating from high school with one or more endorsements; and
- (2) the student's parent or person standing in parental relation to the student files with a school counselor written permission, on a form adopted by the agency, allowing the student to graduate under the foundation high school program without earning an endorsement.

A Krum ISD student may earn a distinguished level of achievement under the foundation high school program by successfully completing:

- (1) four credits in mathematics, which must include AlgebraII;
- (2) four credits in science, which must include one credit in biology, one credit in any advanced science course, and one credit in integrated physics and chemistry or in an additional advanced science course;
- (3) the remaining curriculum requirements including: four credits in social studies under Section including one credit in United States history, at least one-half credit in government and at least one-half credit in economics, and one credit in world geography or world history; two credits in the same language in a language other than English; five elective credits; one credit in fine arts; on credit in professional communications, one credit in physical education
- (4) the curriculum requirements for at least one endorsement).

Course Requirements				
Distinguished Level of Achievement (DLA)				
– Eligible for top 10% Automatic Admission				
27 Total Credits				

English Language Arts – 4 Credits English I, II, III and one advanced English	Mathematics – 4 Credits Algebra I, Geometry, Algebra II, and one advanced math	Social Studies – 4 Credits World Geography, World History, US History, Government (.5), Economics (.5)	Science – 4 Credits Biology, Lab Science, and two advanced science	LOTE – 2 Credits  Fine Arts – 1 Credit  Physical Education – 1 Credit  Electives – 7.0 Credits
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Endorsements				
In addition to the requirements, students within KISD must successfully complete at least one endorsement.				
STEM	BUSINESS & INDUSTRY	PUBLIC SERVICE	ARTS & HUMANITIES	MULTIDISCIPLINARY STUDIES
<ul style="list-style-type: none"> <li>-must complete algebra II, chemistry and physics; AND</li> <li>- Coherent sequence of courses for four or more credits; OR</li> <li>-two additional math credits for which Algebra II is a prerequisite; OR</li> <li>-two additional science credits (does not include IPC); OR</li> <li>-three additional credits from no more than two of the following disciplines: mathematics, science, engineering</li> </ul>	<ul style="list-style-type: none"> <li>Coherent sequence of courses for four or more credits</li> <li>Cluster areas: Agriculture; Arts, AV Technology; Business Management; Finance; Hospitality/Tourism; Information Technology; Manufacturing; Transportation/Distribution</li> </ul>	<ul style="list-style-type: none"> <li>Coherent sequence of courses for four or more credits that includes:</li> <li>Cluster areas: Education &amp; Training; Government; Health Sciences; Human Services; Law, Public Services, Corrections &amp; Security</li> </ul>	<ul style="list-style-type: none"> <li>-five credits in social studies; OR</li> <li>-four levels of the same foreign language; OR</li> <li>-four credits from 1 or 2 categories in fine arts</li> </ul>	<ul style="list-style-type: none"> <li>-Four advanced courses among endorsement areas that are not in a coherent sequence; OR</li> <li>-Four credits in each of the foundation subject areas to include English IV and chemistry and/or physics; OR</li> <li>-Four credits in AP or dual credit</li> </ul>

## Endorsements

Students are able to earn one or more endorsements as part of their graduation requirements. Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area. Students must select an endorsement in the ninth grade.

Students may choose from five endorsement areas:

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

### SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

Students pursuing a STEM endorsement would complete courses directly related to: Environmental Science, Technology, Engineering, Advanced Mathematics, and Computer Science.

#### HOW TO OBTAIN THIS ENDORSEMENT

Must complete algebra II, chemistry and physics; AND

-Coherent sequence of courses for four or more credits that includes:

---At least two CTE course in the same cluster; AND

---At least one advanced CTE course; OR

-two additional math credits for which Algebra II is a prerequisite; OR

-two additional science credits (does not include IPC); OR

-three additional credits from no more than two of the following disciplines: mathematics, science, engineering

### BUSINESS & INDUSTRY

The Business and Industry Endorsement incorporates a large number of career paths and student interests. KISD offers a multitude of course options within the area of business and industry.

#### HOW TO OBTAIN THIS ENDORSEMENT

Coherent sequence of courses for four or more credits that includes:

-At least two courses in the same cluster; AND

-At least one advanced CTE course; AND

-Final course of the sequence must be selected from the clusters listed: Agriculture; Arts, AV Technology; Business Management; Finance; Hospitality/Tourism; Information Technology; Manufacturing; Transportation/Distribution

## PUBLIC SERVICE

Students pursuing an endorsement in Public Services will enroll in courses directly related to health science, education, law enforcement, culinary arts, hospitality and the armed forces.

### HOW TO OBTAIN THIS ENDORSEMENT

Coherent sequence of courses for four or more credits that includes:

- At least two CTE courses in the same cluster; AND
- At least one advanced CTE course; AND
- Final course of the sequence must be selected from the clusters listed: Education & Training; Government; Health Sciences; Human Services; Law, Public Services, Corrections & Security

## ARTS & HUMANITIES

The arts and humanities offer students an opportunity to study ancient and modern literature, history, language and culture. These courses allow students an opportunity to explore and understand how other cultures live. Students interested in the performing arts of music and theatre, as well as the visual arts, may find this endorsement suitable for them.

### HOW TO OBTAIN THIS ENDORSEMENT

- five credits in social studies; OR
- four levels of the same foreign language (LOTE); OR
- four credits from one or two categories in fine arts

## MULTIDISCIPLINARY STUDIES

The Multidisciplinary Endorsement allows students to select a variety of courses from many different areas.

### HOW TO OBTAIN THIS ENDORSEMENT

- Four advanced courses among endorsement areas that are not in a coherent sequence; OR
  - Four credits in each of the foundation subject areas to include English IV and chemistry and/or physics;
- OR
- four credits in AP or dual credit

## Programs of Study

The Division of College, Career, and Military Preparation has engaged members of the workforce, secondary education, and higher education to advise on the development of programs of study, including coherent sequences of courses, industry-based certifications, and work-based learning to ensure students are prepared for in-demand, high-skill, and high-wage careers in Texas.

The programs of study go into effect for the 2020-2021 school year and will allow Texas to meet the federal program approval requirements within the Strengthening CTE for the 21st Century Act (Perkins V). Programs of study documents can be viewed by following the links at: <https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/approved-cte-programs-study>.

Source: Texas Education Agency



# Agriculture, Food, and Natural Resources Career Cluster

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

## Animal Science Krum ISD Program of Study



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

### Secondary Courses for High School Credit

#### Level 1

- Principles of Agriculture, Food, and Natural Resources

#### Level 2

- Small Animal Management
- Equine Science

#### Level 3

- Livestock Production

#### Level 4

- Advanced Animal Science
- Veterinary Medical Applications
- Practicum in Agriculture, Food, and Natural Resources

### Postsecondary Opportunities

#### Associates Degrees

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

#### Bachelor's Degrees

- Animal Sciences
- Agriculture
- Biology
- Zoology/ Animal Biology

#### Master's, Doctoral, and Professional Degrees

- Genetics
- Veterinary Medicine
- Biological and Physical Sciences
- Biological and Biomedical Sciences

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

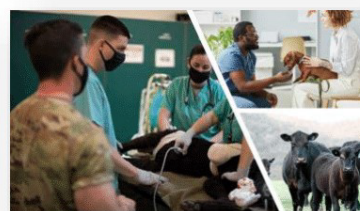
- Participate in Texas FFA

#### Work-Based Learning Activities

- Compete in an Agri-Science Fair 4H
- Volunteer at a local farm or with a veterinarian
- Participate in an FFA supervised agriculture experience

### Industry-Based Certifications

- Elanco Fundamentals of Animal Science Certification
- Elanco Veterinary Medical Applications Certification
- Equine Management & Evaluation Certification
- Production Agriculture - Job Ready
- Small Animal Science and Technology



### Aligned Occupations

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

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

# Agriculture, Food, and Natural Resources Career Cluster

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

## Plant Science Statewide Program of Study



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

### Secondary Courses for High School Credit

#### Level 1

- Principles of Agriculture, Food, and Natural Resources

#### Level 2

- Landscape Design and Management
- Turf Grass Management
- Greenhouse Operation and Production

#### Level 3

- Floral Design
- Horticultural Science

#### Level 4

- Practicum in Agriculture, Food, and Natural Resources

### Postsecondary Opportunities

#### Associates Degrees

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

#### Bachelor's Degrees

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

#### Master's, Doctoral, and Professional Degrees

- Applied Horticulture/ Horticulture Operations, General
- Agronomy and Crop Science
- Agricultural Business and Management, General
- Farm/Farm and Ranch Management

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

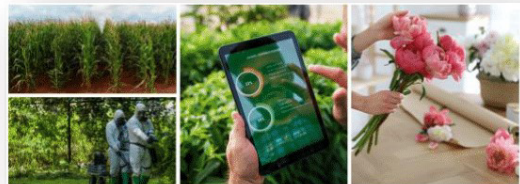
- Participate in Texas FFA

#### Work-Based Learning Activities

- Work at a florist or landscaper business
- Participate in an FFA supervised agriculture experience

### Industry-Based Certifications

- Agricultural Biotechnology
- BASF Plant Science Certification
- Commercial/Non-Commercial Pesticide Applicator
- Commercial/Noncommercial Pesticide Applicator "Vegetation Management" License
- Horticulture - Landscaping - Job Ready
- Landscape Irrigator
- Principles of Floral Design Certification
- Production Agriculture - Job Ready
- Texas Certified Landscape Associate (TCLA)
- Texas Certified Nursery Professional
- Texas State Florist's Association Knowledge Based Floral Certification
- Texas State Florist's Association Level I Floral Certification
- Texas State Florist's Association Level II Floral Certification



### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Soil and Plant Scientists	\$54,662	116	21%
Tree Trimmers and Pruners	\$32,240	589	14%
Pesticide Handlers, Sprayers, and Applicators	\$36,733	196	22%
Landscaping Supervisors	\$44,408	807	19%
Biological Technicians	\$42,931	452	17%

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



# Agriculture, Food, and Natural Resources Career Cluster

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

## Applied Agricultural Engineering Statewide Program of Study



The Applied Agricultural Engineering program of study explores the occupations and educational opportunities associated with applying knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing agricultural products. This program of study may also include exploration into diagnosing, repairing, or overhauling farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems.

### Secondary Courses for High School Credit

#### Level 1

- Principles of Agriculture, Food, and Natural Resources

#### Level 2

- Agricultural Mechanics and Metal Technologies/Lab

#### Level 3

- Agricultural Structures Design and Fabrications/Lab

#### Level 4

- Agricultural Equipment Design and Fabrication/Lab
- Practicum in Agriculture, Food, and Natural Resources

### Postsecondary Opportunities

#### Associates Degrees

- Heavy Equipment Maintenance Technology/ Technician
- Agricultural Mechanization, General
- Small Engine Mechanics and Repair Technology/ Technician
- Welding Technology/ Welder

#### Bachelor's Degrees

- Agricultural Engineering
- Agricultural Mechanization, General

#### Master's, Doctoral, and Professional Degrees

- Agricultural Engineering
- Agricultural Mechanization, General

### Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"><li>Tour a farm products or machinery plant</li><li>Participate in Texas FFA</li></ul>	<ul style="list-style-type: none"><li>Earn a welding certification</li><li>Intern at a farm products or machinery plant</li><li>Participate in an FFA supervised agriculture experience</li></ul>

### Industry-Based Certifications

- Agriculture Mechanics
  - Agriculture Mechanics
  - API 1104 Welding Pipelines and Related Facilities AWS Certified Welder
  - AWS D1.1 Structural Steel
  - AWS D9.1 Sheet Metal Welding
  - AWS SENSE Level 1: Entry Welder
  - Feedyard Technician in Machinery Operation, Repair and Maintenance
  - Industrial Technology Maintenance (ITM) - Maintenance Welding
  - Machining Measurement, Material, and Safety Level I
  - NCCER Welding Level I
  - General Welding - Job Ready
- 
- OSHA General 30\*

\*IBC sunseting 8/31/24

### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Outdoor Power Equipment and Other Small Engine Mechanics	\$32,406	366	16%
Welders	\$41,350	6171	9%
Farm Equipment Mechanics and Service Technicians	\$39,915	304	17%
Mobile Heavy Equipment Mechanics	\$47,299	1627	16%
Agricultural Engineers	\$64,792	9	13%

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

# Law and Public Service Career Cluster

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

## Law Enforcement Statewide Program of Study



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

### Secondary Courses for High School Credit

#### Level 1

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

#### Level 2

- Federal Law Enforcement and Protective Services

#### Level 3

- Law Enforcement II
- Forensic Psychology

#### Level 4

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

### Postsecondary Opportunities

#### Associates Degrees

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

#### Bachelor's Degrees

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

#### Master's, Doctoral, and Professional Degrees

- Criminal Justice/Safety Studies/Law
- Enforcement Administration
- Natural Resources
- Law Enforcement and Protective Services

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

- Join the Texas Public Service Association or local criminal justice clubs

#### Work-Based Learning Activities

- Attend court hearings and other legal procedures

### Industry-Based Certifications

- Non-Commissioned Security Officer Level II
- IAED Emergency Telecommunicator



### Aligned Occupations

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

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



# Business, Marketing, and Finance Career Cluster

The Business, Marketing, and Finance Career Cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

## Business Management Statewide Program of Study



The Business Management program of study teaches CTE learners how to plan, direct, and coordinate the administrative services and operations of an organization. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, and allocate the use of materials and human resources. This program of study will also introduce students to mathematical modeling tools and organizational evaluation methods.

### Secondary Courses for High School Credit

#### Level 1

- Principles of Business, Marketing, and Finance
- Business Information Management I

#### Level 2

- Business Law

#### Level 3

- Global Business
- Human Resources Management

#### Level 4

- Statistics and Business Decision Making
- Practicum in Business Management
- Career Preparation I

### Postsecondary Opportunities

#### Associates Degrees

- Business Administration
- Business/Commerce
- Public Administration
- Business Management

#### Bachelor's Degrees

- Business Administration
- Business/Commerce
- Public Administration
- Management Science

#### Master's, Doctoral, and Professional Degrees

- Business Administration
- Business Management
- Public Administration
- Management Science

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

- Participate in Business Professional of America, Future Business Leaders of America, or DECA

#### Work-Based Learning Activities

- Intern with a local business or chamber of commerce

### Industry-Based Certifications

- Administrative Assisting
- Certified Associate in Project Management (CAPM)
- Entrepreneurship and Small Business
- MB-920: Microsoft Dynamics 365 Fundamentals Finance and Operations Apps
- Microsoft Office Specialist 2016 Master
- Microsoft Office Specialist: Microsoft Access Expert (Access and Access 2019)
- Microsoft Office Specialist: Microsoft Excel Expert (Excel and Excel 2019)
- Microsoft Office Specialist: Microsoft Word Expert (Word and Word 2019)
- Project Management Institute (PMI) Project Management Ready

- Microsoft Office Specialist-Excel\*
- Microsoft Office Specialist-Word\*

\*IBC sunseting 8/31/24

### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Administrative Service Managers	\$96,138	2,277	21%
Management Analysts	\$87,651	4,706	32%
General and Operations Managers	\$107,640	18,679	20%
Supervisors of Administrative Support Works	\$57,616	14,982	20%

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

# Arts, Audio/Video Technology, and Communications Career Cluster

The Arts, A/V Technology and Communications (AAVTC) Career Cluster focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC career cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

## Graphic Design & Multimedia Arts Statewide Program of Study



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

### Secondary Courses for High School Credit

#### Level 1

- Principles of Arts, A/V Technology, and Communications
- Digital Media

#### Level 2

- Graphic Design and Illustration I
- Commercial Photography I/Lab (ATC)

#### Level 3

- Graphic Design and Illustration II
- Commercial Photography II/Lab (ATC)
- Digital Arts and Animation

#### Level 4

- Practicum in Graphic Design and Illustration
- Career Preparation I

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

- Join a website development or coding club
- Participate in SkillsUSA or TSA

#### Work-Based Learning Activities

- Intern with a multimedia or animation studio
- Obtain a certificate or certification in graphic design

### Industry-Based Certifications

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

- Adobe Certified Professional Animate\*

\*IBC Sunsetting 8/31/24

### Postsecondary Opportunities

#### Associates Degrees

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

#### Bachelor's Degrees

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

#### Master's, Doctoral, and Professional Degrees

- Animation, Interactive Technology, Video Graphics and Special Effects
- Graphic Design
- Intermedia/Multimedia

### Aligned Occupations

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

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



# Arts, Audio/Video Technology, and Communications Career Cluster

The Arts, A/V Technology and Communications (AAVTC) Career Cluster focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC career cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

## Digital Communications Statewide Program of Study



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

### Secondary Courses for High School Credit

#### Level 1

- Principles of Arts, Audio/Video Technology, and Communications
- Digital Communications in the 21st Century

#### Level 2

- Audio/Video Production I/Lab

#### Level 3

- Audio/Video Production II/Lab

#### Level 4

- Practicum of Audio/Video Production
- Career Preparation I

### Postsecondary Opportunities

#### Associates Degrees

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

#### Bachelor's Degrees

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

#### Master's, Doctoral, and Professional Degrees

- Communications Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television
- Agricultural Communication/Journalism

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

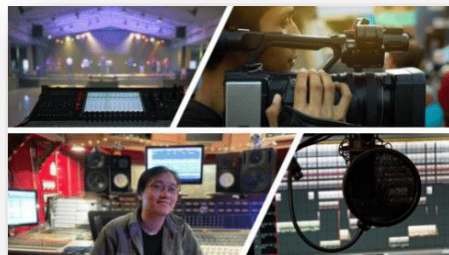
- Shadow a production team
- Participate in SkillsUSA or TSA

#### Work-Based Learning Activities

- Intern at a local television station or video production company
- Work with a local company on a project

### Industry-Based Certifications

- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Audio-Visual Communications - Job Ready
- Broadcasting and Journalism
- Digital Video Production Foundations



### Aligned Occupations

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

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

# Education and Training Career Cluster

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

## Teaching and Training Statewide Program of Study



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

### Secondary Courses for High School Credit

#### Level 1

- Principles of Education and Training
- Principles of Human Service

#### Level 2

- Human Growth and Development
- Child Development

#### Level 3

- Instructional Practices

#### Level 4

- Practicum in Education and Training
- Career Preparation I

Only one course is needed for each level.

### Postsecondary Opportunities

#### Associates Degrees

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

#### Bachelor's Degrees

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

#### Master's, Doctoral, and Professional Degrees

- Instruction and Learning
- Educational Leadership and Administration, General
- Special Education
- Social and Philosophical Foundations of Education

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

- Participate in the Texas Association of Future Educators or Family, Career, and Community Leaders of America

#### Work-Based Learning Activities

- Teach a community education class
- Intern as a teaching assistant or tutor
- Serve as a camp counselor

### Industry-Based Certifications

- Educational Aide I



### Aligned Occupations

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

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



# Education and Training Career Cluster

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

## Early Learning Statewide Program of Study



The Early Learning program of study focuses on early childhood education, which consists of instructing and supporting preschool and early elementary school students in activities that promote social, physical and intellectual growth as well as in basic elements of science, art, music, and literature. This program of study introduces CTE learners to tasks necessary for planning, directing, and coordinating activities for young children.

### Secondary Courses for High School Credit

#### Level 1

- Principles of Education and Training
- Principles of Human Services

#### Level 2

- Child Development

#### Level 3

#### Level 4

- Practicum in Early Learning
- Career Preparation I

### Postsecondary Opportunities

#### Associates Degrees

- Early Childhood Education and Teaching
- Multicultural Early Childhood Development
- Kindergarten/Preschool Education and Training
- Psychology/Sociology

#### Bachelor's Degrees

- Early Childhood Education and Teaching
- Multicultural Early Childhood Development
- Early Childhood
- Psychology/Sociology

#### Master's, Doctoral, and Professional Degrees

- Early Childhood Education and Teaching
- Multicultural Early Childhood Development
- Educational, Instructional, and Curriculum Supervision
- Educational Leadership and Administration

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

- Participate in the Texas Association of Future Educators or Family, Career, and Community Leaders of America

#### Work-Based Learning Activities

- Teach a community education class
- Volunteer as a teaching assistant

### Industry-Based Certifications

- Child Development Associate (CDA)
- Early Childhood Education and Care – Advanced
- Early Childhood Education and Care – Basic
- Educational Aide 1
- Pre-Professional Certification in Early Childhood Education



### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Kindergarten Teachers, except Special Education	\$53,310	1,848	17%
Preschool Teachers	\$27,851	4,330	17%
Elementary School Teachers	\$54,140	13,121	16%
Education Administrators, Elementary and Secondary School	\$79,830	2407	16%

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

# Human Services Career Cluster

The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

## Health and Wellness Statewide Program of Study



The Health and Wellness program of study introduces students to knowledge and skills related to promoting physical, emotional, social, and mental health and wellness. Students who choose this program of study may learn how to assist patients in planning for their health and wellness, respond to crises, and advise, provide education or counseling, or make referrals. CTE learners may also focus on addressing barriers to access health and wellness services.

### Secondary Courses for High School Credit

#### Level 1

- Principles of Human Services

#### Level 2

- Lifetime Nutrition and Wellness
- Human Growth and Development
- Interpersonal Studies

#### Level 3

- Applied Nutrition and Dietetics

#### Level 4

- Practicum in Human Services
- Career Preparation I

### Postsecondary Opportunities

#### Associates Degrees

- Nutrition Sciences
- Community Health Services/Liaison/Counseling
- Health and Wellness, General
- Public Health

#### Bachelor's Degrees

- Nutrition Sciences
- Mental Health Counseling/Counselor
- Nutrition
- Human Nutrition and Foods

#### Master's, Doctoral, and Professional Degrees

- Nutrition Sciences
- Community Health and Preventative Medicine
- Nutrition
- Exercise and Sports Nutrition

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

- Participate in American Association of Family and Consumer Sciences or the Family Career and Community Leaders of America

#### Work-Based Learning Activities

- Job shadow a dietitian or nutritionist
- Work part-time at a counseling services center, health department or hospital

### Industry-Based Certifications

- Community Health Workers
- Pre-Professional Certification in Nutrition, Food, and Wellness

- Licensed Dietetic Technician\*

\*IBC Sunsetting 8/31/24



### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Community Health Workers	\$38,064	592	25%
Rehabilitation Counselors	\$43,930	586	23%
Mental Health Counselors	\$41,558	812	38%
Health Care Social Workers	\$55,515	1,583	35%

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



## Human Services Career Cluster

The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

### Cosmetology and Personal Care Services Regional Program of Study



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

#### Secondary Courses for High School Credit

##### Level 1

- Principles of Cosmetology Design and Color Theory

##### Level 2

- Introduction to Cosmetology

##### Level 3

- Cosmetology I/Lab

##### Level 4

- Cosmetology II/Lab

#### Postsecondary Opportunities

##### Certificate/License

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

##### Associates Degrees

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

#### Work-Based Learning and Expanded Learning Opportunities

##### Exploration Activities

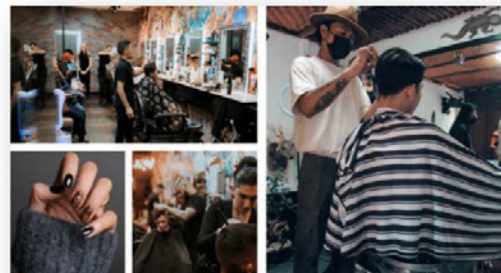
- Participate in TIVA or SkillsUSA

##### Work-Based Learning Activities

- Job shadow a cosmetologist
- Work part-time at a salon, spa, or barbershop

#### Industry-Based Certifications

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



#### Aligned Occupations

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

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



## Hospitality and Tourism Career Cluster

The Hospitality and Tourism Career Cluster focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services. Students acquire knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success.

### Culinary Arts Statewide Program of Study



The Culinary Arts program of study introduces CTE learners to occupations and educational opportunities related to the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study also explores opportunities involved in directing and participating in the preparation and cooking of food.

#### Secondary Courses for High School Credit

##### Level 1

- Introduction to Culinary Arts

##### Level 2

- Culinary Arts

##### Level 3

- Advanced Culinary Arts

##### Level 4

- Practicum in Culinary Arts

#### Postsecondary Opportunities

##### Associates Degrees

- Hotel and Restaurant Management
- Restaurant Culinary and Catering Management
- Hospitality Administration/ Management, General
- Culinary Arts/ Chef Training

##### Bachelor's Degrees

- Hotel and Restaurant Management
- Food Service Systems Administration/ Management
- Hospitality Administration/ Management, General
- Culinary Science and Food Service Management

##### Master's, Doctoral, and Professional Degrees

- Hotel and Restaurant Management
- Food Service Systems Administration/ Management
- Hospitality Administration/ Management, General
- Business Administration Management, General

#### Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> <li>• Participate in Family, Career, and Community Leaders of America, SkillsUSA, American Culinary Federation, or the Texas Restaurant Association</li> </ul>	<ul style="list-style-type: none"> <li>• Plan a catering event or work for a catering company</li> <li>• Participate in a cooking course</li> <li>• Work in a restaurant</li> </ul>

#### Industry-Based Certifications

- Certified Fundamentals Cook
- Certified Fundamentals Pastry Cook
- Certified Hospitality & Tourism Management Professional
- Commercial Foods
- Culinary Meat Selection & Cookery Certification
- Food Protection Manager Certification
- Food Safety & Science Certification
- ManageFirst Professional
- Pre-Professional Certification in Culinary Arts
- Pre-Professional Certification in Food Science Fundamentals
- ServSafe Manager



#### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Food and Beverage Managers	\$55,619	1,561	28%
Chef and Head Cooks	\$43,285	1,366	25%
Food Science Technicians	\$34,382	236	11%

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





## Health Science Career Cluster

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

### Healthcare Diagnostics Statewide Program of Study



The Healthcare Diagnostics program of study introduces students to occupations and education opportunities related to performing complex medical laboratory tests for the diagnosis, treatment, and prevention of disease. This program of study may also include exploration into the opportunities associated with blood laboratories as well as radiologic technology and ultrasound technology.

#### Secondary Courses for High School Credit

##### Level 1

- Principles of Health Science

##### Level 2

- Medical Terminology

##### Level 3

- Health Science Theory

##### Level 4

- Anatomy and Physiology

#### Work-Based Learning and Expanded Learning Opportunities

##### Exploration Activities

- Participate in Health Occupation Students of America

##### Work-Based Learning Activities

- Perform clinical rotations at a community wellness center, hospital, assisted living, nursing home

#### Industry-Based Certifications

- Certified Cardiographic Technician
- Certified Clinical Medical Assistant
- Certified EKG Technician
- Emergency Medical Technician - Basic
- ECG Technician
- Limited Medical Radiologic Technologist
- Medical Assistant
- Medical Laboratory Assistant
- Medical Laboratory Technician
- Nationally Registered Certified EKG Technician
- Phlebotomy Technician
- Registered Diagnostic Medical Sonographer - Abdomen\*
- Registered Diagnostic Medical Sonographer - Obstetrics and Gynecology\*
- Registered Technologist - Cardiac-Interventional Radiography\*
- Registered Technologist - Computed Tomography\*
- Registered Technologist - Magnetic Resonance Imaging\*
- Registered Technologist - Mammography\*
- Registered Technologist - Nuclear Medicine Technology\*
- Registered Technologist - Radiography\*
- Registered Technologist - Sonography\*
- Registered Technologist - Vascular Sonography\*
- Registered Technologist - Vascular-Interventional Radiography\*
- Registered Vascular Technology\*

\*IBC sunseting 8/31/24

#### Postsecondary Opportunities

##### Associates Degrees

- Nuclear Medical Technology/Technologist
- Magnetic Resonance Imaging (MRI) Technology/Technician

##### Bachelor's Degrees

- Nuclear Medical Technology/Technologist
- Medical Radiologic Technology/Science Radiation Therapist

##### Master's, Doctoral, and Professional Degrees

- Radiologist
- Radiologic Technology/Science Radiographer

#### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Diagnostic Medical Sonographers	\$69,909	495	35%
Phlebotomist	\$30,597	1,442	36%
Nuclear Medicine Technologists	\$75,962	91	13%
Radiologic Technologists	\$55,494	1,196	21%
Magnetic Resonance Imaging Technologists	\$68,661	217	21%

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



## Health Science Career Cluster

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

### Exercise Science and Wellness Statewide Program of Study



The Exercise Science and Wellness program of study introduces CTE learners to the fields that assist patients with maintaining physical, mental, and emotional health. Students will research diet and exercise needed to maintain a healthy, balanced lifestyle and learn about and practice techniques to help patients recover from injury, illness, or disease.

#### Secondary Courses for High School Credit

##### Level 1

- Lifetime Nutrition and Wellness
- Principles of Exercise Science and Wellness

##### Level 2

- Kinesiology I

##### Level 3

- Anatomy and Physiology
- Kinesiology II

##### Level 4

- Project Based Research
- Career Preparation I

Only one course is needed for each level in order to complete the pathway.

#### Postsecondary Opportunities

##### Associates Degrees

- Physical Therapist Assistant
- Physical Therapy Aides
- Dietetic Technician

##### Bachelor's Degrees

- Kinesiology and Exercise Science
- Therapeutic Recreation/Recreation Therapy
- Athletic Training/Trainer

##### Master's, Doctoral, and Professional Degrees

- Exercise Physiology
- Therapeutic Recreation/Recreation Therapy
- Athletic Training/Trainer
- Physical Therapist

#### Work-Based Learning and Expanded-Learning Opportunities

##### Exploration Activities

- Participate in Health Occupations Students of America

##### Work-Based Learning Activities

- Volunteer at a hospital or rehabilitation center
- Manage a school sports team

#### Industry-Based Certifications

- Certified Personal Trainer
- Pre-Professional Certification in Nutrition, Food, and Wellness



#### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Athletic Trainers	\$53,450	215	22%
Exercise Physiologists	\$41,662	33	33%
Coaches and Scouts	\$40,010	2,133	23%
Dieticians and Nutritionists	\$57,762	428	24%
Recreational Therapists	\$45,906	74	24%

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



## Performance Acknowledgements

A student may earn a performance acknowledgment on the student's transcript for the following outstanding performances:

### Outstanding performance in a dual credit course

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

### Outstanding performance in bilingualism and bi-literacy

- (1) A student may earn a performance acknowledgment by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:
  - (A) completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and
  - (B) satisfying one of the following:
    - (i) completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
    - (ii) demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
    - (iii) completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or
    - (iv) demonstrated proficiency in one or more languages other than English through one of the following methods:
      - (I) a score of 3 or higher on a College Board Advanced Placement examination for a language other than English; or
      - (II) a score of 4 or higher on an International Baccalaureate examination for a higher-level language other than English course; or
      - (III) performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.
- (2) In addition to meeting the requirements of paragraph (1) of this subsection, to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:
  - (A) participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and
  - (B) scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

# Performance Acknowledgements

## Outstanding performance on a College Board Advanced Placement test or International Baccalaureate examination

- (1) a score of 3 or above on a College Board Advanced Placement examination; or
- (2) a score of 4 or above on an International Baccalaureate examination.

## Outstanding performance on a college preparation assessment instrument

- (1) earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation;
- (2) achieving the college readiness benchmark score on at least two of the four subject tests on the ACT Aspire™ examination;
- (3) earning scores of at least 410 on the evidence-based reading section and 520 on the mathematics section of the SAT®; or
- (4) earning a composite score on the ACT® examination of 28 (excluding the writing sub score).

## Earning a state-recognized or nationally or internationally recognized business or industry certification or license

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

## State Assessment

Texas launched a new testing program called the State of Texas Assessments of Academic Readiness or STAAR® in 2012. It replaced the Texas Assessment of Knowledge and Skills (TAKS). STAAR is given to students in grades 3-8 and to students taking high school level courses in Algebra I, English I and II, U. S. History and Biology. Passing is defined as achieving approaches performance standards. Student must meet passing standards for graduation. Any student not receiving approaches performance standards will be provided remediation.

More information regarding STAAR assessments may be found online at <http://www.tea.state.tx.us/>

Parents & students may view their student's state assessment history by accessing the link below:

<http://texasassessment.com/>

1. Click on "Log In to Student Portal" in the redbox.
2. You will be asked to enter an access code.
3. If you do not have one, you can click the link below the box that states, "Look up Access Code."
4. You will be asked to enter your child's name, PEIMS number (you can use your child's social security number in most cases), and birthdate.
5. The access code will appear.
6. Click Go

## Types of Courses

KISD offers students the opportunity to take different types of courses. There are three types of courses offered at Krum High School. Within the type of course is course specific information. Types of courses include:

- Regular
- Advanced
- College Level

Choosing the type of course appropriate for you varies from student to student. Below outlines the differences in the types of courses offered to help when making course request.

### Regular Program Courses

Regular program courses are offered in language arts, mathematics, social studies, science, LOTE, and elective areas. These courses are designed to prepare students for most colleges. Regular courses are weighted on a 4.0 scale.

### Advanced Courses

Advanced courses at Krum High School are offered in the core areas: language arts, mathematics, social studies, science, and LOTE. These courses are designed to challenge students at a higher level, and prepare them to take college level courses.



Advanced courses include specific content and activities designed to prepare students for both STAAR and success in college-level courses. Depth of material requires students to read and write extensively in and out of class. These courses do not offer college credit, but prepare students for the challenge of college courses.

All high school students enrolled in an Advanced course will receive grades weighted on a 5.0 scale.

#### Who Should Take Advanced Classes?

Before enrolling in Advanced courses, students should consider:

1. Interest in intense exploration of the course material.
2. Strong personal commitment to accomplishing objectives and requirements of course.
3. Strong academic history as demonstrated by STAAR scores and grades above 85%.
4. Ability to dedicate appropriate time.
5. Willingness to stretch academically.
6. Willingness to work hard.

### College Level Courses

College credit courses at Krum High School are offered in the following areas: language arts, mathematics, social studies, science, LOTE, and electives. These courses will challenge students with college level materials and expectations. All college credit courses provide the opportunity for students to earn college credit. Students must exhibit the maturity and social behavior necessary to participate in a college-level course, as well as meet enrollment requirements for each course. College credit courses at KHS include the following types:

- [Dual Credit - North Central Texas College and TWU](#)
- [Dual Enrollment - UT OnRamps](#)
- [Advanced Placement \(AP\)](#)

#### Benefits

- Convenient - courses taught at the high school or online.
- Affordable pathway to college degree.
- Provides excellent opportunity to transition between high school and a 4-year university.
- Core coursework transfers to many universities.

All high school students enrolled in a college credit course will receive grades weighted on a 6.0 scale.



## AP/Dual Credit/Dual Enrollment: What's the Difference?

Knowing the difference between Advanced Placement, Dual Credit, and Dual Enrollment courses will assist you in planning for both high school and college courses. The following chart compares the three different types of college level courses offered at KHS.

	Advanced Placement (AP)	Dual Credit (DC) NCTC	Dual Credit (DC) TWU	Dual Enrollment (UT) On Ramps Program
Description	The AP Program allows students to take college-level courses and the related AP exam, to potentially earn college credit while still in high school.	Dual Credit allows students to simultaneously earn high school and college credit by successfully completing North Central Texas College (NCTC) courses.	Dual Credit allows students to simultaneously earn high school and college credit by successfully completing Texas Woman's University courses.	Dual Enrollment allows students to earn high school and potentially earn college credit while still in high school.
College Credit	College credit is granted based on a student's AP examination score. Individual colleges and universities, not the College Board nor the AP program, grant course credit and placement.	College credit is awarded when the student passes the course.	College credit is awarded when the student passes the course.	Students receive weighted high school credit when they successfully complete the course. Students also receive college credit if they qualify for and pass the college portion of the course.
Teachers-Instructors	Courses are taught by high school teachers trained by The College Board.	Taught by college instructors and/or high school teachers who serve as adjunct professors	Taught by college instructors and/or high school teachers who serve as adjunct professors	Taught by high school teachers trained by University of Texas professors
College-University Acceptance	Accepted throughout the nation. Usually requires a score of 3 or higher on AP exam. See individual college/university for their policy.	Accepted at public colleges and universities in Texas, and many private institutions. Check with your individual college for academic requirements.	Accepted at public colleges and universities in Texas, and many private institutions. Check with your individual college for academic requirements.	Guaranteed to be accepted at any public university in Texas. Accepted at most private universities. Check with your individual college for academic requirements.
Location	AP courses are taught on the KHS campus	Some dual credit courses are taught on the KHS campus. Students also take dual credit courses online.	Some dual credit courses are taught on the KHS campus. Students also take dual credit courses online.	UT OnRamps Dual Enrollment courses are taught on the KHS Campus.

Eligibility	Students are expected to have the skills and knowledge from prior Advanced courses, and be motivated to work outside the school day on college level material.	Students must qualify by taking the Texas Success Initiative (TSIA) test, or by meeting TSI exemptions (ACT, SAT, PSAT, STAAR test). The TSIA test is offered for a fee at NCTC campuses. KHS administers the test on campus in the Spring for potential dual credit students. Students are expected to be motivated to work outside the college classroom on college level material.	Students must qualify by taking the Texas Success Initiative (TSIA) test, or by meeting TSIA exemptions (ACT, SAT, PSAT, STAAR test). The TSIA test is offered for a fee at NCTC campuses. KHS administers the test on campus in the Spring for potential dual credit students. Students are expected to be motivated to work outside the college classroom on college level material.	Open to students who show high achievement, who wish to experience a college-level course, and are motivated to work outside of the school day on college level material. Students who have previously taken an advanced academic course may also take these courses.
Cost	AP courses are free. There is a fee for the corresponding AP exams. This fee is reduced for students who qualify for the free/reduced meal program. The Krum Education Foundation has student enrichment grants available for students to apply for testing fees.	Tuition is paid to NCTC per credit hour. Scholarships are available through NCTC. Students who qualify for the free/reduced meal program can receive a tuition waiver. In addition, Krum Education Foundation has student enrichment grants available for students to apply for course fees and textbooks.	Tuition is paid to TWU per credit hour. Scholarships are available through TWU. Students who qualify for the free/reduced meal program can receive a tuition waiver. In addition, Krum Education Foundation has student enrichment grants available for students to apply for course fees and textbooks.	The predicted cost of an OnRamps course is \$149. There is no additional costs for books or materials. This cost will be due in the fall, and more information will also be available at the beginning of the school year.
Textbooks	Provided by the school	Textbook purchase required.	Textbook purchase required.	Provided by the school.
Impact on high school GPA	6.0 class	6.0 class	6.0 class	6.0 class

## Dual Credit

Krum ISD works with North Central Texas College (NCTC) and Texas Woman's University (TWU) to provide students with a variety of course offerings. In order to enroll in dual credit courses, students must meet the requirements set by KISD and either NCTC or TWU.

The student is expected to abide by the rules and regulations of both institutions. The course will be counted as part of the student's daily schedule. The grade earned will be designated on the high school transcript. While this course will earn university credit and will be recorded on two formal transcripts, the transferability of this course to another university rests solely with the accepting institution. Students should consult the admissions officer of the appropriate institution for information regarding the transfer of credits. It is the student's responsibility to check with their chosen institution. The following website allows students to check credit transferability [www.tecnns.org](http://www.tecnns.org).

The student is responsible for the payment of all tuition, books, and fees. Enrollment at the university affords the student the same rights and privileges granted to all students as stated by university policy. However, many dual credit courses are offered on each high school campus or online. Students interested in this program should consult their counselor for additional information. Students must check with their counselor BEFORE requesting a college course to be sure it is the correct course number.

Krum ISD and NCTC and Krum ISD and TWU each have an MOU in place that allows flexibility with course options if a student finds a course that meets their post-secondary educational needs. If a dual credit course through NCTC or TWU is not listed in the course offerings outlined below, please see your counselor for approval.

### NCTC Dual Credit Enrollment Process-subject to change per NCTC procedures

Submit An Application: [GoApplyTexas.org](http://GoApplyTexas.org)

After submission, students will receive an automated email indicating application was received. A second email will be sent from NCTC letting students know that other documents are needed (transcript, test scores, etc.). If you do not receive these emails, please contact your counselor.

Apply for Dual Credit Scholarship

Deadline: April for fall and October for spring.

Complete DC101 Orientation - MUST BE COMPLETED PRIOR TO TSI TESTING!

Information regarding college success will be presented to help prepare dual credit students.

Required for all new dual credit students.

Take TSIA (if needed) and Submit Official Test Scores

Test scores must verify TSIA college readiness. Visit [www.nctc.edu](http://www.nctc.edu) for TSIA test score standards and exemptions. Students are NOT allowed to enroll in the following courses IF they have not met the minimum placement score.

- **READING & WRITING:** TSIA status must be College Ready in Reading and Writing to enroll in HIST1301 or 1302 (U.S. History), GOVT 2305, 2306 (American and Texas Government), any sophomore literature course, ENGL1301 (Grammar & Composition), ENGL1302 (Literature & Composition), PSYC2301 (General Psychology), PYSC 2314 (Lifespan Growth and Development), SOCI 1301 (Introduction to Sociology), or SOCI 1306 (Contemporary Social Problems)

- **MATHEMATICS:** TSIA status must be College Ready in Math to enroll in MATH 1314 (College Algebra), MATH 1324 (Math for Business and Social Sciences), MATH 1342 (Elementary Statistics), or MATH 1316 (Trigonometry).

Students may qualify for a TSIA exemption. Please see your counselor for details.

#### Submit High School Transcript

Transcripts must indicate a 2.0 average.

#### Submit Proof of Meningitis Immunization

This must have been within the last 5 years for NCTC to accept.

#### Complete Dual Credit Agreement Form

This form indicates the name of the college course, course number, section, and term of the course you plan to take (ENGL 1301.870. 131s). Complete all the information. All agreement forms must be signed and approved by a KHS counselor or CCMR coordinator.

#### Make Payment

Payment is due at the time of registration. Students can be dropped from course(s) for failing to make payment. Reinstatement is not guaranteed and there is a \$75 fee for reinstatement. Tuition may be waived if you qualify for the Federal Lunch Program at your school. Verification is required on the dual credit agreement.

### TWU Dual Credit Enrollment Process-subject to change per TWU procedures

#### Apply online

Apply online at [GoApplyTexas.org](https://goapplytexas.org)

Complete the ApplyTexas freshman application

Only first-time dual credit students need to apply

View the [ApplyTexas Application Instructions](#) for assistance

#### Pay the nonrefundable \$50 application fee

Note: The application fee can be paid online but is the only method prior to submitting the application.

#### Submit official TSIA Scores

**\*\* Your KHS Counselor will submit your TSIA or other qualifying scores to TWU\*\***

#### Return a completed Dual Credit Permission Form to your high school counselor

You must fill out a permission form for every academic year you take courses

Student, parent and school official signatures give permission for enrollment into the Dual Credit Program

**\*\* Your KHS Counselor will give you a copy of the Dual Credit Permission Form\*\***

#### Submit a recent official high school transcript

Transcripts must indicate a 2.0 average.

**\*\* Your KHS Counselor will submit your official high school transcript \*\***

## Tips for Becoming a Successful Dual Credit Student

#1. **LEARN TO COMMUNICATE.** If you are having difficulty in a course, communicate with your instructor either face to face or by email. Keep all communication professional! If communication is accusatory or negative in tone, you may not get the attention you need. In college you should be learning how to advocate for yourself! Communicating with your counselor or parents about difficulties in college courses may not resolve issues. Communicating with your instructor is always the first step.

#2. **FERPA AFFECTS DUAL CREDIT STUDENTS.** The Family Educational Rights and Privacy Act governs Dual Credit Students. Instructors are restricted from discussing college coursework with your parents, counselors, or principals. There are no parent/teacher conferences.

#3. **BE HONEST.** Understand that plagiarism and collusion on assignments may result in an “F” for the final course grade or dismissal from the course. Instructor’s syllabus will address the repercussions of scholastic dishonesty. Know your instructor’s policy!

#4. **READ INSTRUCTOR’S SYLLABUS.** A course syllabus contains information on instructor’s grading policy, assignments, and so much more. College courses can be very different from high school! A 50 might be considered a “D”, you may be graded on a numerical system based on 1,000 points, or 80% of your final grade could be based on two exams. How do you navigate in this new world? Start by reading your instructor’s syllabus.

#5. **ATTEND CLASS.** Colleges do not distinguish between excused and unexcused absence, an absence is defined as “a student not being in class”. Instructors retain the right to withdraw students from class due to excessive absences. How will your instructor handle your absence from class? Reread tip #4.

#6. **GRADES ARE IMPORTANT.** Grades become part of your permanent college transcript. They will follow you to every college or university you attend. Dual Credit students must earn a “C” or higher in EACH course to continue enrollment the following semester.

#7. **DROPS AND WITHDRAWAL ARE NOT THE SAME.** Drops are processed before the official date of record and no course is recorded on your transcript. Withdrawals are processed after the official date of record and course grade of “W” will be recorded on your transcript. Paperwork must be submitted to NCTC. Talk to your counselor but make sure the paperwork is submitted.

### #8. **USE ONLINE TOOLS: CANVAS & DUAL CREDIT WEBSITE**

Often instructors post assignments and grades in Canvas. MyNCTC is your student portal. From MyNCTC, students can pay tuition, check admission status, check for holds on accounts, print or request a copy of transcripts, print a schedule, set up an Lion Pride Email, and so much more. Know where to find the Dual Credit tab from [www.nctc.edu](http://www.nctc.edu). Become familiar with all the online tools; they will be helpful to you and your parents. TWU Pioneer Portal provides the same services to TWU students.

#9. **USE NCTC or TWU RESOURCES.** Tutoring is available at the college campus or live online at any time. Not sure if your writing assignment is college level or struggling with math class, Don’t give up, Get help! <http://www.nctc.edu/Academics/SupportServices/Tutoring.aspx> Assistance for students with disabilities: <http://www.nctc.edu/StudentServices/Disabilityservices.aspx> Career guidance, academic

advising, and crisis intervention:

<http://www.nctc.edu/StudentServices/CounselingTesting/CareerServices.aspx>

# 10. PREPARE FOR CLASS. If you are taking a 3 hour course, you need to plan an additional 3 -6 hours preparing and studying. Understanding this time requirement, don't overload your schedule.

#11. WHAT NOT TO EXPECT. Do not expect to repeat work in order to improve a grade. Do not expect to do extra work to improve a grade. Do not expect to receive extra credit for attendance.

#12. EXPECT CONFLICTS WITH EXTRA CURRICULAR ACTIVITIES. Seriously discuss priorities with your parents and counselors before enrolling in Dual Credit courses. Communicate frequently with your Dual Credit Professor.

The information regarding dual credit outlined in the guide can be found on NCTC's webpage. Please explore [www.nctc.org/](http://www.nctc.org/) further for additional information.

Additional information regarding the TWU dual credit program can be found on TWU's webpage. <mailto:https://twu.edu/dual-credit/>

## UT OnRamps Dual Enrollment

Dual Enrollment courses allow students to earn high school and university credit. Krum ISD partners with The University of Texas at Austin to provide students the opportunity to experience college courses while concurrently enrolled in the high school course facilitated by a high school teacher who is trained and certified by OnRamps to teach the course on their local campus.

### How OnRamps Works

- Credit from The University of Texas at Austin is earned through the University Extension (UEX) within the TEXAS Extended Campus. OnRamps courses do not require admission to the university but are aligned with courses taught to UT Austin's residential students. A university faculty member serves as the Instructor of Record and evaluates students' progress in each college course.
- Students are enrolled in a yearlong course taught by their high school teacher for high school credit.
- During the fall semester OnRamps students must complete a series of required assignments that are designated by an Instructor of Record at The University of Texas at Austin and earn a grade of 75% or better on the required assignments to be eligible to be dually enrolled in the university course offered during the spring semester
- During the Spring semester OnRamps students must complete a series of additional required assignments that are designated by the university's Instructor of Record to determine successful completion of the college course.
- The university's Instructor of Record will award students the appropriate grade based on their performance for the college course. The high school teacher will separately award credit for the grade earned in the high school course, which may differ from that for the college course.

## Earning Credit

- A student may either elect to enroll in the college courses for a letter grade or they may take the course pass/fail if the course has been set up with a student-choice option. Students who select a pass/fail option must do so during the Credit Selection Type Period at the beginning of the semester.
- If a student takes a course for a letter grade and earns credit, the letter grade they earn for the course will appear on their transcript from The University of Texas at Austin.
- If a student takes the course pass/fail and earns credit, the transcript will not show a letter grade but only that the student passed or failed the class. A pass will show CR on the student's transcript. A letter grade of D- or better is considered passing.
- Each institution of higher education has its own policies and procedures regarding credit earned at another college or University. You must check with the institution you plan to attend in order to determine the specific transferability and applicability policies of credit for a letter grade or a Pass credit (CR). Courses with a Core Curriculum designation in the right column of the Table 1 below are required to transfer to any public institution in the state of Texas.
- Some OnRamps courses have TCCN equivalency numbers approved by UT Austin. To see the equivalency of those and other courses at various institutions visit [www.tccns.org](http://www.tccns.org).

## Key Benefits of OnRamps

- OnRamps dual-enrollment courses are designed by the university faculty and offer students the opportunity to earn three hours of core college credit within their own high school.
- Students qualify to participate through rigorous, college-level coursework and college-ready standards set by the university or through the Texas Success Initiative (TSIA). (Students may qualify using either standard)
- Your teachers offer our courses and receive extensive training and ongoing, 1:1 support from faculty and staff at the university.
- All OnRamps courses are part of the university's core curriculum, guaranteed to transfer to any other public college or university in Texas.

## Program Costs-subject to change per UT OnRamps

- The cost of an OnRamps course is \$149. There is no additional costs for books or materials. This cost will be due in the fall, and more information will also be available at the beginning of the school year.
- There is no additional cost to students for books or materials.

## Grade Reporting

- While parents may communicate with the high school instructor about students' high school grades, the university Instructor of Record may not communicate with parents regarding students' college grades.
- That is because under the Family Educational Rights and Privacy Act (FERPA), rights belong to the parents with respect to high school records, but they belong to the student with respect to the post-secondary records, regardless of a student's age.
- Our university Instructors of Record will make every attempt to communicate with and through the student, as this is an important maturation point for college students.

The information regarding OnRamps outlined in the guide can be found on UT OnRamps webpage. Please explore <https://onramps.utexas.edu/> further for additional information.

## Advanced Placement (AP)

Advanced Placement (AP) Courses are offered in English, mathematics, science, social studies, foreign language and other selected areas. With AP, students are able to experience the rigors of college-level studies while still having the support of the high school environment. With qualifying AP exam scores, students may earn credit from a large majority of colleges and universities. It is the student's responsibility to contact specific universities for their individual policies and score requirements for credit. The following website allows students to check credit transferability:

<https://apstudent.collegeboard.org/creditandplacement/search-credit-policies> .

NOTE: Students enrolled in an AP course are highly expected to take the Advanced Placement exam in May of the school year in which the student is enrolled. AP Collegeboard total estimated cost is \$90 per exam.

## College Readiness

### 8th Grade To Do

- Enroll in appropriate high school credit courses (i.e. Algebra I, Spanish, Biology)
- Consult with HS counselor for appropriate course selections
- Attend scheduling meeting at KHS in the spring with a parent and/or guardian
- Create a high school four-year plan that interests and challenges you (PGP)
- Check on any summer assignments you'll need to complete for high school classes
- Start thinking about extracurricular, volunteer and job opportunities to get involved in high school

### Freshman Year Timeline

#### Fall

- Attend freshman orientation (before school starts)
- Attend NorTex College Fair (early September)
- Begin to work on a resume of accomplishments, honors and extracurricular involvement that showcases your strengths in high school
- Follow colleges on social media
- Start college search: What kind of schools are you looking for?



Spring:

- Choose 10th grade courses wisely
- If interested in college credit courses, attend meeting in spring during course selection

Summer:

- Check on any summer assignments you'll need to complete
- Look for summer jobs, internships and/or volunteer opportunities
- Talk to people in careers you find interesting

## Sophomore Year Timeline

Fall

- Attend NorTex College Fair (early September)
  - Take PSAT (October)
  - Continue to work on a resume of accomplishments, honors and extracurricular involvement that showcases your strengths in high school
  - Follow colleges on social media
- Keep track of usernames and passwords created

Spring:

- Review PSAT results to prepare for the Junior year PSAT and SAT/ACT test
- Take SAT and/or ACT – if you do not have at least one test completed before summer you are considered behind
- Choose 11th grade courses wisely
- If interested in college credit courses, attend meeting in spring during course selection

Summer:

- Check on any summer assignments you'll need to complete
- Look for summer jobs, internships and/or volunteer opportunities
- Talk to people in careers you find interesting

## Junior Year - Reviewing Your Transcripts and Preparing for Senior Year

- ☐ 1. Continue to take challenging classes, consider adding another Advanced or College Level course.
- ☐ 2. Review your credits required for graduation: To be considered a junior you must have earned at least 14 credits
- ☐ 3. Must pass all 5 STAAR Exams: Algebra 1, English 1, Biology, English 2 and US History
- ☐ 4. You must have 90% attendance to earn a credit even if you pass the class
- ☐ 5. This is your last opportunity to raise your GPA before your transcript is sent to colleges your senior year.

The end of your junior year Rank and GPA will be used for college admissions!

## Junior Year Timeline

### Fall

- Attend NorTex College Fair (early September)
  - Take PSAT—This test will determine your eligibility for the National Merit Scholarship Program
  - Continue to work on a resume of accomplishments, honors and extracurricular involvement that showcases your strengths in high school
  - Use results to prepare for SAT/ACT test in Spring
  - Follow colleges on social media
  - Take advantage of any Test Prep opportunities
- Keep track of usernames and passwords created

### Spring:

- Take SAT and/or ACT – if you do not have at least one test completed before summer you are considered behind
- Request scores be sent to schools you think you may apply to when you register for the test. The first 4 score reports are sent for free if you request them at the time you take the test, otherwise it is \$12-15 per score report if you wait until after you take the test
- Choose 12th grade courses wisely
- If interested in college credit courses, attend meeting in spring during course selection
- Seek leadership opportunities If interested in playing sports at the college level, register for NCAA and/or NAIA eligibility centers Prepare for AP/IB and Final Exams

### Summer:

- Check on any summer assignments you'll need to complete
- Look for summer jobs, internships and/or volunteer opportunities
- Talk to people in careers you find interesting
- Visit with friends and family home from college
- Research examples of well written college essays
- Research scholarships to apply for during your senior year Narrow your choice of schools you are going to apply to and watch deadline dates

## Senior Year - Finish Strong!

- ☐ Continue to take challenging classes, consider adding another Advanced or College Level course.
- ☐ Review your credits required for graduation:
  - ☐ To be considered a senior you must have earned at least 18 credits
  - ☐ Must pass all 5 STAAR Exams Algebra 1, English 1, Biology, English 2 and US History
  - ☐ You must have 90% attendance to earn a credit even if you pass the class
  - ☐ Think Senior Grades don't matter?
    - ◆ Think Again! Colleges do request and review senior grades
  - ☐ Studies show seniors who lost interest in high school also had problems in college
  - ☐ Continue to take pride in your grades and attempt your best
  - ☐ Avoid senioritis

## Senior Year Timeline

### Fall

- Attend NorTex College Fair (early September)
- Signup to take SAT and/or ACT again or for the first time
- Continue to visit prospective colleges
- Apply to the colleges you have chosen
- Meet with school counselor to make sure you are on track for graduation
- CREATE a personal calendar of important events and deadlines
- Request letters of recommendation and transcripts after completing applications.
- Watch deadlines!
- Apply for scholarships!
  - Look for scholarships at the college where student is applying and scholarship websites
- To prepare for financial aid in the spring, request your FAFSA login.

### Spring

- Complete FAFSA Students will need parent's tax return information, so file early
  - Most colleges have a March 1 priority deadline
  - Watch for Student Aide Report (SAR) in mail/email
- Pay special attention to letters and emails from schools you have applied and contact the admissions office if you do not understand or have questions

## Parent Support

- If starting at a community/junior college, apply to the school after February 1
- Apply for student housing if applicable
- Submit any remaining scholarship applications to colleges
- Complete local scholarships found on the Krum High School webpage
- Review college acceptances and review financial aid packages Notify colleges of your decision and submit any financial deposit by May 1st

### Stay informed:

- Watch grades through ParentPortal
- Grading periods are 9 weeks long and only the semester grade goes on their transcript
- Review report cards
- Stay in contact with teachers
  - email is generally the best form of communication
- Connect through school's social media
- Watch your child for signs of frustration or failure, seek help if you need to.
- Stay involved in your child's school:
  - Volunteer
  - Attend parent night events
- Talk to your child about interests – help match interests with careers.
- Help your child develop good study habits:
  - Find a quiet place to study
  - Find tutoring assistance if necessary

- See teacher's tutorial schedule
- Provide a safe place for your child to struggle
- Teach how to communicate with teachers
- Teach how to organize, time manage and balance their academics and activities
- Provide guidance not answers
  - too much help teaches your child that when the going gets rough others will do the work for them.
- Be positive about your child's education including Teachers/Staff members and Homework
  - the attitude you express is the attitude your child will acquire.
- Help your child clarify their list of goals and priorities.
- Talk to your child about college plans as if he or she will definitely go to college.
- Support your child as they navigate the college application process:
  - Take your child to visit colleges (preferably when classes are in session)
  - Guide your child through the college planning process
  - Encourage your child to communicate with the college admissions office
- Ask employer if there are any scholarships specific for children of employees.
- Don't let them give up!

# Credits and Grading

## KISD Grade Point System

Numerical Grade	Regular Courses	Advanced Courses	College Level Courses
100	4.0	5.0	6.0
99	3.9	4.9	5.9
98	3.8	4.8	5.8
97	3.7	4.7	5.7
96	3.6	4.6	5.6
95	3.5	4.5	5.5
94	3.4	4.4	5.4
93	3.3	4.3	5.3
92	3.2	4.2	5.2
91	3.1	4.1	5.1
90	3.0	4.0	5.0
89	2.9	3.9	4.9
88	2.8	3.8	4.8
87	2.7	3.7	4.7
86	2.6	3.6	4.6
85	2.5	3.5	4.5
84	2.4	3.4	4.4
83	2.3	3.3	4.3
82	2.2	3.2	4.2
81	2.1	3.1	4.1
80	2.0	3.0	4.0
79	1.9	2.9	3.9
78	1.8	2.8	3.8
77	1.7	2.7	3.7
76	1.6	2.6	3.6
75	1.5	2.5	3.5
74	1.4	2.4	3.4
73	1.3	2.3	3.3
72	1.2	2.2	3.2
71	1.1	2.1	3.1
70	1.0	2.0	3.0
69 and below	No Grade Points Awarded	No Grade Points Awarded	No Grade Points Awarded

### Exclusions from GPA Calculation (refer to EIC local)

The following courses shall be excluded from GPA calculation:

- Summer school (excluding dual credit courses taken during the summer);
- Credit by examination;
- Credit recovery;
- Mini-mester;
- Pass/Fail courses;
- Local credit courses;
- Foreign exchange courses; and
- Physical education/athletic courses.

## Awarding Credit

Mastery of at least 70 percent of the objectives on formative and summative assessments shall be required. Grade level placement for students shall be earned by course credits.

- If a student earns a grade of a 70 or above in a one-semester course, full credit will be awarded.
- If a student earns a 70 or above both semesters of a full- year course, full credit will be awarded.
- If a student earns a failing grade during the fall or spring semester in a full year course, and the final average is greater than or equal to 70, full credit will be awarded.
- Credit will be awarded for a failed semester when it is repeated and the student earns a grade of 70 or above.

## Exams for Acceleration

These tests are used to award credit for courses not previously attempted. All students shall be eligible to take exams for acceleration. Students must score at least 80% to receive credit. (refer to EHDC legal policy)

## Correspondence Courses

All students are eligible to take correspondence courses and earn credit toward graduation. Prior to enrollment in correspondence courses, students must meet with their counselor to review graduation requirements and gain approval. Credit toward state graduation requirements may be granted for correspondence courses only from approved accredited institutions/agencies.

## Texas Virtual Schools Network (TVXN)

Students may have the option of completing courses via the Texas Virtual Schools Network. Prior to enrolling, students must be advised by their counselor who will determine eligibility and review procedures and potential costs with students and parents.

## High School Classification

All high school students are classified as members of a particular class as of the first day of each school year. This classification shall remain in effect for the entire school year. This policy does not apply to UIL eligibility.

Students are classified according to the number of credits they have earned.

CLASSIFICATION	CREDIT REQUIREMENTS
Freshman	0-6.5 Credits
Sophomore	7 Credits
Junior	14 Credits
Senior	19 Credits

## Attendance

Students must be in attendance a minimum of 90 percent of the days in a semester for each course to earn credit in a course. Please refer to the Student Handbook and policy online for more details.

## Bell Schedule

Krum High School offers eight period days and is on a 9-week grading period. The school year is divided into two semesters.

## Course Load

All students are required to enroll in eight classes. Students on track to graduate and meet program guidelines may be eligible to be off one or two periods per school day. To be eligible for off periods, students must have the following:

- Be classified a senior that has earned at least 20 credits
- Be classified as a junior in approved dual credit courses
- Have parent permission
- Have transportation
- Comply with attendance policies and expectations
- Maintain passing grades
- Have not lost credit due to attendance in the previous semester.
- Be CCMR compliant

## GPA/Rank

Estimated class rankings are determined at the end of the junior year and the first semester of the senior year for the express purpose of college entrance requirements. Another ranking is performed following grade verification at the next to the last grading period to identify valedictorian (highest GPA), salutatorian (second-highest GPA), summa cum laude (4.0+), magna cum laude (3.9 to 3.8), and cum laude (3.7 to 3.9) graduates. Note: Dual Credit grades are received at the end of each semester. Thus, grades earned in any dual credit and self-paced classes in which a student is enrolled during his/her final semester are not included in the final calculation.

Effective with students entering grade 9 in the 2012–13 school year, the District shall make the following conversion for letter grades received from dual credit courses or any other transferred grades:

Conversion Scale:

- A = 95
- B = 85
- C = 75
- D = 70
- F = 69

The valedictorian and salutatorian shall be the eligible students with the highest and second-highest rank, respectively. To be eligible for such recognition, a student must have been continuously enrolled on a full-time basis in the District high school for the four semesters preceding graduation, must have completed the Foundation with an Endorsement graduation program with a Distinguished Level of Achievement for graduation, and must be graduating in exactly eight semesters.

## Automatic Admission

In accordance with Texas Education Code (TEC), §51.803, a student is eligible for automatic admission to a college or university as an undergraduate student if the applicant earned a grade point average in the top 10 percent of the student's high school graduating class or in the percentage of qualified applicants that are anticipated to be offered admission to the University of Texas at Austin\*, and the applicant:



- (1) successfully completed the requirements for the Recommended High School Program (RHSP) or the Distinguished Achievement Program(DAP);
- (2) earned the distinguished level of achievement under the Foundation High School Program; or
- (3) satisfied ACT's College Readiness Benchmarks on the ACT assessment or earned on the SAT assessment a score of at least 1,500 out of 2,400 or the equivalent.

High school rank for students seeking automatic admission to a general academic teaching institution is determined and reported as follows.

- (1) Class rank shall be based on the end of the 11th grade, middle of the 12th grade, or at high school graduation, whichever is most recent at the application deadline.
- (2) The top 10 percent of a high school class shall not contain more than 10 percent of the total class size.
- (3) The student's rank shall be reported by the applicant's high school or school district as a specific number out of a specific number total class size.
- (4) Class rank shall be determined by the school or school district from which the student graduated or is expected to graduate. (TAC§5.5(e))

A student is considered to have satisfied the course requirements if the student completed the portion of the RHSP, DAP, or the distinguished level of achievement under the Foundation High School Program that was available to the student but was unable to complete the remainder of the coursework because courses were unavailable as a result of circumstances not within the student's control.

To qualify for automatic admission an applicant must:

- (1) submit an application before the deadline established by the college or university to which the student seeks admission; and
- (2) provide a high school transcript or diploma that indicates whether the student has satisfied or is on schedule to satisfy the requirements of the RHSP, DAP, or the distinguished level of achievement under the Foundation High School Program or the portion of the requirements that was available to the student.

Colleges and universities are required to admit an applicant for admission as an undergraduate student if the applicant is the child of a public servant who was killed or sustained a fatal injury in the line of duty and meets the minimum requirements, if any, established by the governing board of the college or university for high school or prior college level grade point average and performance on standardized tests.

\* The University of Texas at Austin (UT) is not required to automatically admit applicants in excess of 75% of its enrollment capacity for first-time resident undergraduate students. Should the number of applicants who qualify for automatic admission exceed 75% of enrollment capacity, UT shall provide notice of the percentage of qualified applicants that are anticipated to be offered admission.

## Schedule Changes

Selecting courses for the upcoming school year is one of the most important decisions. Students select courses for the next school year using Ascender Student Portal with their academic advisor. Careful planning and discussions with parents/guardians is an important part of the scheduling process. Students and parents/guardians are encouraged to review academic progress with graduation requirements outlined in this planning guide. We hope you make course selections for the next school year carefully. Students who register for a course are committed to that course. Class creation and teacher assignments are based on student course requests. Students may change their 2024-2025 schedule request for any reason until the last day of the 2023-2024 school year, as long as the student is still requesting courses that meet graduation requirements. After the last day of school consideration for schedule change requests should meet the following criteria:

- A change is needed to balance a classsize.
- Seniors not enrolled in a course **REQUIRED** for graduation.
- Students scheduled in a course for which they already have credit (Ex: Summer School Credit)
- Student is enrolled in a course for which the student does not have the prerequisite.
- Students with incomplete schedules.
- Student has failed a course and needs to repeat the course.
- Student is removed from an athletic program.

For a semester or a year-long course, a student may not withdraw after the 10th day of the course. However, to meet individual student needs, the principal may use his or her discretion to approve a course change.

A student who withdraws from a course will have the grade in that course applied to the new course. It is highly recommended that the replacement course be in the same discipline. A student who changes courses assumes responsibility for the full content of the new course on the final exam.

Students who enroll in an Advanced or College Level course commit to completing the course. Due to the rigorous nature, students should remain in the chosen course the first four weeks of school in order to acclimate to the expectations and provide adequate time for both the teacher and students to gauge the appropriateness of the course selection.

To initiate a change out of an Advanced or College Level class, a conference must occur between the student, parent/guardian, teacher and principal or designee to determine educational need. Should educational need not be determined the student will be required to complete the course selected. If the course is changed, the student's grade (without weighting) will transfer to the new class.

## Common Scheduling Questions

Should Students Take All Advanced and/or College Level Classes?

Students are encouraged to challenge themselves but also to find a balance among advanced and college level courses, extracurricular activities, and outside activities. Students should select courses in their area(s) of strength. The decision about the number of classes should be an individual decision based on the schedule, out of school commitments, and interest of each student.

Suggested Guidelines for Entry into Advanced and/or Advanced Placement (AP) classes	
Option 1: Student must earn at least a 75 in the previous same subject at the Advanced or AP level or at least an 85 in the previous same subject in a regular class.	
Option 2: Student must receive Level III-Masters on STAAR exams (see chart below)	
Level III- Masters STAAR Reading, English I or English II	to be eligible for Advanced English and/or social studies
Level III- Masters STAAR Math or Algebra I	to be eligible for Advanced math and/ or science
ADDITIONAL REQUIREMENTS:	
All students requesting Advanced and/or AP courses must have parent permission	
Summer assignments may be required in Advanced and AP courses. Failure to complete the assignment may result in a zero. *see individual course descriptions	

Should my student choose extra (alternate) courses?

Yes --Just in case a class does not —make or have enough student interest, each student should have 2-3 alternate courses on their four-year plan for the upcoming year. An alternate course can only be selected if there is already a course in that subject area.

How many sports can my student play?

Students may only choose ONE sport in which to enroll. This does NOT mean they can only play one sport. Please encourage the student to enroll in the sport that meets first in the school year. For instance, football and baseball have the student enroll in football because it is in the fall and baseball is in the Spring. must have a physical in order to compete.

My student is in Band and needs to enroll in Marching Band, where can I find that class?

Students enrolling in band their first two years will receive 0.5 credit towards the one credit of physical education requirement for graduation in the fall each semester. Only one credit of marching band may be awarded. Students in band will automatically be scheduled into a 9th period marching band.

What Activities require tryouts?

Athletics, Band, Color Guard and Cheerleading all require Tryouts.

## College Career and Military Readiness-CCMR

CCMR is a component of the Student Achievement domain established by House Bill 3 measuring graduates' preparedness for college, career, or military after graduating high school. A student can earn the designation of CCMR (College Career or Military Ready) by completing one of the following measures. A student does not need to complete more than one measure to earn this designation.

### College Ready:

Option 1: Make a 3 or higher on any AP exam

Option 2: Earn 3 Dual Credit hours in  
English or Math

Option 3: Earn 9 Dual Credit hours in any  
subject area

If none of the above, you must qualify as College Ready in Math AND English. You have several options which are able to be earned through a combination of the following:

Option 1: English: Score 480 or higher on the SAT  
(EBRW) Math: Score 530 or higher on  
the SAT (Math)

Option 2: English: Score 19 or higher on the ACT (English) AND have a Composite Score of 23 or higher  
Math: Score 19 or higher on the ACT (English) AND have a Composite Score of 23 or higher

Option 3: English: Score 351 or higher on the original TSIA  
(Reading) Math: Score 350 or higher on the original  
TSIA (Math)

Option 4: English: Earn Credit for English for College Readiness (CP English) in 12<sup>th</sup> grade.  
Math: Earn Credit for Math for College Readiness (CP Math) in 12<sup>th</sup> grade.

Option 5: TSIA scores:  
English (ELAR): 945+ OR ELAR Diagnostic Test  
Score of 5+ Essay: 5  
Math: 950 OR Mathematics Diagnostic Test Score of 6

Career Ready: Earn an approved Industry-Based Certification through completion of requirements in a CTE course.

Military Ready: Enlist in the Armed Forces: U.S. Army, Navy, Air Force, Coast Guard, or Marines. Must provide a letter on branch letterhead stating that the student has enlisted.

If you are not CCMR (College, Career, and Military Ready) in one of the categories listed above as an incoming Senior, you may not be eligible for Off Periods/Office Aide.

Please consider these options as you choose your courses and plan for each year. If you have questions, your Academic Counselor is a great resource.



# English Language Arts

English I (E100)

Service ID 03220100

Credit: 1

Grade Level: 9-12

GPA: Regular

Prerequisite: None

Look forward to a year filled with World War II historic literature, romance in *Romeo and Juliet*, and the great feeling of knowing how to conquer that darn STAAR test. Painless poetry and intriguing short stories will instill knowledge and skills while the students aren't looking. On a more technical level, this course emphasizes learning proper grammar and mechanics for written text. Written composition skills will be demonstrated through descriptive, narrative, and expository paragraph writing. Students will read, analyze, and use basic literary terminology in study of poems, short stories, novels, and other literature for a better understanding and appreciation of plot, setting, characterization, theme and point of view. Summer Assignment may be required

English I Advanced (E101)

Service ID 03220100

Credit: 1

Grade Level: 9-12

GPA: Advanced

Demonstrate your creativity in the summer assignment and then launch into a world of literature with historic origins. *Diary of Anne Frank*, the play, *Animal Farm*, *Romeo and Juliet*, and other literature will take students on a ride through hope, fear, and romance. English I Advanced enriches and elaborates the English I curriculum, focusing on higher level thinking skills. It includes development of research skills and demanding reading and writing activities. Demanding content and methods will prepare students to succeed in the AP setting. The teaching approach will be inductive, emphasizing students' responsibility for learning. Summer Assignment will be required

English II (E200)

Service ID 03220200

Credit: 1

Grade Level: 10-12

GPA: Regular

Prerequisite: English I

With English I under their belts, students will be ready to explore WWII novel, *Night*, written by a holocaust survivor and *Of Mice and Men*. Letters and essays to persuade the most stubborn reader will be written and mastered by these sophomores. Students will also enjoy a romp in poetry as they read and write it. Students will improve their grammatical and narrative abilities through extensive creative writing processes. This will provide a learning opportunity for self-discovery of one's views on the "world around us" and support previous language arts learning. The second semester concludes with reading novels and submitting personal works for publication. Summer Assignment may be required

English II Advanced (E201)

Service ID 03220200

Credit: 1

Grade Level: 10-12

GPA: Advanced

Prerequisite: English I

In addition to the regular English II curriculum, Advanced English II adds higher level thinking activities to prepare students for College Board tests and college level AP classes in later high school years. Students will study Shakespeare's *Taming of the Shrew* and delve into the civil rights movement in *To Kill a Mockingbird*. Summer Assignment will be required

English III (E300)

Service ID 03220300

Credit: 1

Grade Level: 11-12

GPA: Regular

Prerequisite: English II

American literature will draw the juniors in to the Salem witch trials in *The Crucible*, futuristic plagues in *Fahrenheit 451*, and the tongue-in-cheek humor of Mark Twain. The juniors also will enjoy entering the dark reaches of Edgar Allen Poe and SAT vocabulary. With the STAAR test in their rearview mirrors, students will begin preparing for tests that will open the doors to their futures. The class will also cover a variety of American speeches, essays, poetry, and prose. Students will also develop confidence in their essay writing in preparation for college and job applications! Summer Assignment may be required

English III AP (E500)      Service ID A3220100      Credit: 1      Grade Level: 11-12      GPA: College Level  
AP Language and Composition

. Prerequisite: English II

AP Collegeboard Approved Course --- College level course. In addition to the English III curriculum, juniors who like a challenge will explore the shame and betrayal in The Scarlet Letter, and Shakespeare's Hamlet which dramatizes the effects produced "when evil is chosen as a way to fulfill the ambition for power." Students will become more confident in their essay writing and command of vocabulary for success in the ACT or SAT. AP Language and Composition is a full-year introductory college level course. Students will develop the ability to analyze the rhetoric of prose passages and demonstrate skills in composition directly by writing essays in various rhetorical modes. A syllabus will be provided. Summer Assignment will be required

English IV (E400)      Service ID 03220400      Credit: 1      Grade Level: 12      GPA: Regular

Prerequisite: English III

This course focuses on British literature, SAT/ACT vocabulary, the writing process, and integrating technology to create an individualized project based on an assigned theme. The teacher will supply a syllabus for each nine weeks. Summer Assignment may be required

English IV AP (E501)      Service ID A3220200      Credit: 1      Grade Level: 11-12      GPA: College Level  
AP Literature and Composition

Prerequisite: English III

AP Collegeboard Approved Course --- College level course. AP Literature and Composition is a full-year introductory college level English course. Students will read selected poems and passages analytically and write critical or analytical essays on poems, prose passages, and complete novels and plays. A syllabus will be provided. Summer Assignment will be required

Dual Credit English (ENGL 1301) (E603/E601)      Credit: 0.5      Grade Level: 11-12      GPA: College Level  
Service ID 03220300, 03220400

Prerequisite: Must meet TSIA requirements, Advanced English II or English II and a strong work ethic.

Dual Credit with North Central Texas College or Texas Woman's University--- College level course. Principles and techniques of expository and persuasive writing; critical thinking and, textual analysis; essays and research methods. Students who pass the course will receive 3 college hours of credit, and ½ credit of English III or English IV (varies on student need).

Dual Credit English (ENGL 1302) (E604/E602)      Credit: 0.5      Grade Level: 11-12      GPA: College Level  
Service ID 03220300, 03220400

Prerequisite: Must meet TSIA requirements, ENGL 1301, and Advanced English II or English II and a strong work ethic.

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. Continuation of ENGL 1301. Advanced techniques of expository and persuasive writing; critical thinking and textual analysis; essays and research methods. Students who pass the course will receive 3 college hours of credit, and ½ credit of English III or English IV (varies on student need).

Dual Credit English (ENGL 2322) (E605)      Service ID 03220400      Credit: 0.5      Grade Level: 12      GPA: College Level

Prerequisite: Must meet TSIA requirements and ENGL 1301/1302

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. British Literature I (ENGL 2322) A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Students who pass the course will receive 3 college hours of credit, and ½ credit of English IV.

Dual Credit English (ENGL 2323) (E606) Service ID 03220400 Credit: 0.5 Grade Level: 12 GPA: College Level

Prerequisite: Must meet TSIA requirements and ENGL1301/1302

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. British Literature II (ENGL 2323) A survey of the development British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Students who pass the course will receive 3 college hours of credit, and ½ credit of English IV.

Intro to Philosophy (ENGL ) (E607) Service ID 03221800 Credit: 0.5 Grade Level: 12 GPA: College Level

Prerequisite: Must meet TSIA requirements

Dual Credit with North Central Texas College or Texas Woman's University --- A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in philosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications. Students who pass the course will receive 3 college hours of credit, and ½ credit English Elective

Business English (E402) Service ID 13011600 Credit: 1 Grade Level: 12 GPA: Regular

Prerequisite: English III Recommended: Touch System Data Entry

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts for business reproduction. This course is also a CTE course.

Practical Writing Skills (E103) Service ID 03221300 Credit: 1 Grade Level: 9-12 GPA: Regular

Prerequisite: Teacher recommendation

In this course, students will read and write informational texts. They will develop skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. This class is designed to help reinforce English skills to better prepare for the STAAR test.

## Mathematics

Algebra I (M100) Service ID 03100500 Credit: 1 Grade Level: 9-12 GPA: Regular

Prerequisite: None

Students learn to compute positive and negative numbers, solve equations, percents, proportions, graphing and writing equations. TI-83 TI-83/TI-84 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended.

Geometry (M200) Service ID 03100700 Credit: 1 Grade Level: 9-12 GPA: Regular

Prerequisite: Algebra I

Designed to strengthen students' reasoning ability through techniques learned in developing deductive and inductive proof. Study of various geometric figures including angles, quadrilaterals, triangles and circles. Students learn perimeter, circumference, area and volume. TI-83/TI-84 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended.

Geometry Advanced (M203)    Service ID 03100700            Credit: 1            Grade Level: 9-12            GPA: Advanced

Prerequisite: Algebra I

Students learn to reason deductively through proofs. Advanced study of various geometric figures including angles, quadrilaterals, triangles, and circles. Students learn perimeter, circumference, area, and volume. TI-83/TI-84 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended.

Algebra II (M300)                      Service ID 03100600            Credit: 1            Grade Level: 10-12            GPA: Regular

Prerequisite: Algebra I and Geometry

This course extends the concepts learned in Algebra I to the complex number system. Emphasis is on the study of functions, graphing, factoring, and equation solving within the field of complex numbers. Use of calculator as aids and tools. . TI-83/TI-84 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended.

Algebra II Advanced (M301)    Service ID 03100600            Credit: 1            Grade Level: 10-12            GPA: Advanced

Prerequisite: Algebra I and Geometry

Advanced study of concepts learned in Algebra I to the complex number system. Emphasis is on the study of functions, graphing, factoring and equation solving within the field of complex numbers. Use of calculator as aids and tools. . TI-83/TI-84 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended.

Advanced Quantitative Reasoning (M401)    Service ID 03102510            Credit: 1            Grade Level: 11-12            GPA: Regular

Prerequisite: Algebra I, Geometry, and Algebra II

Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.

Statistics and Decision Making (CT109)    Service ID 13016900            Credit: 1            Grade Level: 11-12            GPA: Regular

Prerequisite: Algebra I and Geometry

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Pre-Calculus (M400)                      Service ID 03101100            Credit: 1            Grade Level: 11-12            GPA: Regular

Prerequisite: Algebra II

Advanced study of concepts learned in Algebra I and II, with emphasis on the study of functions and relations, trigonometry, and advanced algebraic techniques. This course sets the student up for success in Physics, Calculus, and College Algebra. TI-83/TI-84 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended.

Pre-Calculus Advanced (M402)    Service ID 03101100            Credit: 1            Grade Level: 11-12            GPA: Advanced

. Prerequisite: Algebra II

Advanced study of concepts learned in Algebra I and II, with emphasis on the study of functions and relations, trigonometry, and advanced algebraic techniques. This course sets the student up for success in Physics, Calculus, and College Algebra. TI-83/TI-84 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended.



Dual Credit Math (MATH 1324)(M605) Service ID 03102500 Credit: 0.5 Grade Level: 11-12 GPA: College Level

Prerequisite: Must meet TSIA requirements, and Advanced Algebra II or Algebra II

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. Mathematics for Business and Social Sciences (MATH 1324) The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value. Students who pass the course will receive 3 college hours of credit, and ½ credit of Independent Study in Mathematics.

Dual Credit Math (Math 1342)(M608) Service ID 03102500 Credit: 0.5 Grade Level: 11-12 GPA: College Level

Prerequisite: Must meet TSIA requirements, and Advanced Algebra II or Algebra II.

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. Elementary Statistical Methods (MATH 1342) Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended. Students who pass the course will receive 3 college hours of credit, and ½ credit of Independent Study in Mathematics.

OnRamps College Algebra (M609) Service ID 03102502 Credit: 1 Grade Level: 11-12 GPA: College Level

Prerequisite: Algebra, Geometry.

OnRamps Dual Enrollment --- College level course. College Algebra (M 301) In this course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Value, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. The pedagogy of the course, Inquiry-Based Learning, encourages students to take an active role in the construction of their learning. This learning will be accomplished by abstraction, generalization, problem-solving, and modeling. TI-83/TI-84 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended. Summer Assignment may be required

AP Calculus AB (M500) Service ID A3100101 Credit: 1 Grade Level: 11-12 GPA: College Level

Prerequisite: Advanced Pre-Calculus or Pre-Calculus

AP Collegeboard Approved Course --- College level course. Building enduring mathematical understanding requires understanding the why and how of mathematics in addition to mastering the necessary procedures and skills. To foster this deeper level of learning, AP Calculus AB is designed to develop mathematical knowledge conceptually, guiding you to connect topics and representations throughout the course and to apply strategies and techniques to accurately solve diverse types of problems. Students will be expected to take the AP exam in May. TI-83/TI-84 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended. Summer Assignment may be required

AP Calculus BC (M502) Service ID A3100102 Credit: 1 Grade Level: 12 GPA: College Level

Prerequisite: AP Calculus AB,

AP Collegeboard Approved Course --- College level course. Building enduring mathematical understanding requires understanding the why and how of mathematics in addition to mastering the necessary procedures and skills. To foster this deeper level of learning, AP Calculus BC is designed to develop mathematical knowledge conceptually, guiding you to connect topics and representations throughout the course and to apply strategies and techniques to accurately solve diverse types of problems. Calculus BC includes all topics covered in Calculus AB plus additional topics, and is designed to qualify you for placement and credit in a course that is one course beyond what's granted for Calculus AB. Students will be expected to take the AP exam in May. TI-83/TI-84 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended. Summer Assignment may be required.

Mathematical Models w/Applications (M202)    Service ID 03102400    Credit: 1    Grade Level: 10-12    GPA:Regular

Prerequisite: Algebra I

Students will use mathematical methods to model and solve real life applied problems involving money, data, chance, patterns, music design, and science. Students will use mathematical models from Algebra, Geometry, probability, statistics, and connections among these to solve problems from a wide variety of mathematical situations. Graphing calculators will be assigned to students. Math Models is designed to help reinforce math skills to better prepare for the STAAR test.

## Social Studies

World Geography (SS10)    Service ID 03320100    Credit: 1    Grade Level: 9-12    GPA: Regular

Prerequisite: None

In World Geography, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. Students use problem-solving and decision-making skills to ask and answer geographic questions.

AP Human Geography (SS24) Service ID A3360100    Credit: 1    Grade Level: 10-12    GPA: College Level

Prerequisite: None

AP Collegeboard Approved Course --- College level course. The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). Summer Assignment may be required

World History (SS20)    Service ID 03340400    Credit: 1    Grade Level: 10-12    GPA: Regular

Prerequisite: World Geography

World History is a survey of the history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism.

AP WorldHistory (SS22)    Service ID A3370100    Credit: 1    Grade Level: 10-12    GPA: College Level

Prerequisite: World Geography

AP Collegeboard Approved Course --- College level course. The AP World History course is structured around the investigation of five course themes and 19 key concepts in six different chronological periods, from approximately 8000 B.C.E. to the present. Summer Assignment may be required

United States History (SS30)    Service ID 03340100    Credit: 1    Grade Level: 11-12    GPA: Regular

Prerequisite: WorldHistory

In U.S. History the course content is based on the founding documents of the U.S. government, which provide framework for its heritage. Students use critical thinking skills and a variety of primary and secondary sources to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.

AP US History (SS34)    Service ID A3340100    Credit: 1    Grade Level: 11-12    GPA: College Level

Prerequisite: WorldHistory

AP Collegeboard Approved Course --- College level course. AP US History students will define concepts, skills, and

understandings required by representative colleges and universities for granting college credit and placement. Students practice the reasoning skills used by historians by studying primary and secondary source evidence, analyzing a wide array of historical facts and perspectives, and expressing historical arguments in writing. Summer Assignment may be required

Dual Credit US History (HIST 1301) (SS60) Service ID 03340100 Credit: 0.5 Grade Level: 11-12 GPA: College Level

Prerequisite: Must meet TSIA requirements, and Advanced World History or World History.

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. United States History I (HIST 1301) This course is a study of the history of the United States with a focus on the development of American characteristics and institutions, including the forging of a new society from European, African and American cultures. Emphasis is on colonial and early national periods through the Civil War Reconstruction. Students who pass the course will receive 3 college hours of credit, and ½ credit of US History.

Dual Credit US History (HIST 1302) (SS64) Service ID 03340100 Credit: 0.5 Grade Level: 11-12 GPA: College Level

Prerequisite: Must meet TSIA requirements and Advanced World History or World History.

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. United States History from 1865 (HIST 1302) This course is a study of the history of the United States from 1877 to the present. The focus is on the development of American society in the 20th century, response to the urban-industrial environment, the United States as a world power, and post-World War II society.

Government (SS40)                      Service ID 03330100                      Credit: 0.5                      Grade Level: 12                      GPA: Regular

Prerequisite: USHistory

This course will cover the foundation of the United States political system beginning with the influences of Old England in relation to law and democracy. Government will be traced through the colonial era into present U. S. government. The types of government will be defined including authoritarian and democratic systems, with the advantages and disadvantages of each given. The U. S. constitution, its powers, limitations and rights will be investigated along with major court cases. The role of the two-party system will be outlined as well as the roles of state and local government.

Dual Credit Government (GOVT 2305) (SS61) Service ID 03330100 Credit: 0.5 Grade Level: 12 PA: College Level

Prerequisite: Must meet TSIA requirements USHistory

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. Federal Government - Federal Constitution and Topics (GOVT 2305) This course examines the institutional structures of government at both national and state levels (emphasizing Texas), including the legislative process, the executive and bureaucratic structures and the judicial process. Additional topics include civil rights and civil liberties, domestic policy, foreign relations, and national defense. Students who pass the course will receive 3 college hours of credit, and ½ credit of Government.

Economics (SS41)                      Service ID 03310300                      Credit: 0.5                      Grade Level: 12                      GPA: Regular

Prerequisite: USHistory

Explains the purpose of economic systems and the differences between those systems. The goals, benefits, and characteristics of the free enterprise system will be identified along with specific aspects such as supply and demand, business enterprises, stock markets and changing economic conditions will be investigated.

Dual Credit Economics (ECON 2301) (SS62) Service ID 03310300 Credit: 0.5 Grade Level: 12 GPA: College Level

Prerequisite: Must meet TSIA requirements USHistory

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. Principles of Macroeconomics (ECON 2301) Macroeconomics focuses on how the American government functions as a whole. Concepts include aggregate supply and demand, production possibilities, trade, GDP, unemployment, inflation, fiscal policy, money supply, the Federal Reserve, and monetary policy. It is non-calculus based; so simple arithmetic and graphing skills are all that is needed.

Students who pass the course will receive 3 college hours of credit, and ½ credit economics.

Psychology (SS42)                      Service ID 03350100                      Credit: 0.5                      Grade Level: 10-12                      GPA:

Regular Prerequisite: None

This course is a Social Studies elective. Students will explore the history of psychology from the earliest psychologist to the modern day. Includes discussion of approaches used today along with various theories. Studies include the relationship between mind and body, emphasizing different techniques to solve psychological problems.

Sociology (SS43)                      Service ID 03370100                      Credit: 0.5                      Grade Level: 10-12                      GPA:

Regular Prerequisite: None

This course is a Social Studies elective. This course will investigate the history of sociology rising from the failure of the French Revolution. It will include approaches in the field today and the nature and influence of culture on society. The role that groups play in society along with the different types of leaders will also be investigated.

Personal Financial Literacy (SS23) Service ID 03380082                      Credit: 0.5                      Grade Level: 10-12                      GPA:

Regular Prerequisite: None

This course is a Social Studies elective. Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The knowledge gained in this course has far-reaching effects for students personally as well as the economy as a whole. When citizens make wise financial decisions, they gain opportunities to invest in themselves, build businesses, consume goods and services in a responsible way, and secure a future without depending on outside assistance. The economy benefits from the optimal use of resources, increased consumption, and strong local businesses. State and local governments benefit with steady revenue streams and reduced future obligations as our society ages.

Dual Credit Psychology (PSYC 2301) (SS67) Service ID 03350100 Credit: 0.5 Grade Level: 11-12 GPA: College Level

Prerequisite: Must meet TSIA requirements

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. Principles of Macroeconomics (ECON 2301) An introduction to the scientific study of human and animal behavior, with the emphasis on the basic processes of learning, perception, motivation, emotion, personality and adjustment. Students who pass the course will receive 3 college hours of credit, and ½ credit psychology.

Sociology Dual (SOCI 1301) (SS65) Service ID 03370100                      Credit: 0.5                      Grade Level: 11-12                      GPA: College

Level Prerequisite: Must meet TSAI2 requirements

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. Introduction to Sociology (SOCI 1301) Sociology is the scientific study of human society, culture, social institutions, group interaction, social trends, social problems, and social change. NCTC offers six courses in Sociology. Courses vary by semester and campus. Each course emphasizes the fundamentals of scientific theory, methodology, social patterns, questioning commonly held assumptions, and expanding each student's intellectual horizons. Students who pass the course will receive 3 college hours of credit, and ½ credit sociology.

Dual Credit Texas Govt (GOVT 2306) (SS66) Service ID 03380001 Credit: 0.5 Grade Level: 11-12 GPA: College Level

Prerequisite: Must meet TSIA2 requirements

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. Texas Government (GOVT 2306) Origin and development of the Texas constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas. Students who pass the course will receive 3 college hours of credit, and ½ credit in social studies advanced studies. This course does NOT meet the Government requirement for high school graduation.

## Science

Biology (S200)                      Service ID 03010200                      Credit: 1                      Grade Level: 9-10                      GPA:

Regular Prerequisite: None

Study of living things: each of the six kingdoms, anatomy and physiology of animals, plants, and the human body. Study cell processes, DNA, and genetics.

Biology Advanced (S201)                      Service ID 03010200                      Credit: 1                      Grade Level: 9-10                      GPA: Advanced

Includes all aspects of Biology curriculum in addition to contemporary scientific research, and literary analysis of scientifically based text.

Integrated Physics and Chemistry (IPC) (S100)                      Service ID 03060201                      Credit: 1                      Grade Level: 10-12                      GPA: Regular

Prerequisite: None

Lab Science. This course integrates the disciplines of physics and chemistry in the following topics: motions, waves, energy transformations, properties of matter, and solution chemistry. IPC is recommended for students needing preparation and instruction prior to chemistry and physics.

Chemistry (S300)                      Service ID 03040000                      Credit: 1                      Grade Level: 10-11                      GPA: Regular

Prerequisite: One high school science credit-Biology Algebra I

Lab Science. Chemistry is a study of matter and energy. The course includes the study of atomic structure, phases of matter, chemical periodicity and Periodic Table, bonding, chemical reactions, gas laws and stoichiometry. Many of the concepts in this course require mathematical reasoning and application.

Chemistry Advanced (S301)                      Service ID 03040000                      Credit: 1                      Grade Level: 10-11                      GPA: Advanced

Prerequisite: One high school science credit-Biology Algebra I

Lab Science. Advanced Chemistry is a course, which includes all the concepts of Chemistry, but increases the challenge for those students with adequate mathematical background by providing additional opportunity for development of abstract reasoning and problem solving skills. This course is appropriate for motivated students considering further study in a science-related field. Students should expect approximately one to three hours of outside work per week. Scientific calculator recommended.

Biology/Chemistry Advanced Block (S202/S303)                      Credit: 1 Biology / 1 Chemistry                      Grade Level: 9                      GPA: Advanced  
Service ID 03010200/03040000

See Biology and Chemistry course descriptions. These courses will be taught blocked two periods. Students will complete the entire course during one semester (Example: Biology two periods in the fall for 1.0 credit and Chemistry two periods in the spring for 1.0 credit).

Physics (S400)                      Service ID 03050000                      Credit: 1                      Grade Level: 11-12                      GPA: Regular

Prerequisite: Biology Algebra I

Lab Science. In Physics we take an in depth look at the why and how behind everyday phenomenon. This includes the basic study of motion and forces, energy, momentum, and rotation. We also study the properties of fluids, heat, sound and light, as well as electricity, electricity flow and magnetism. Some college require/recommend Physics.

Physics Advanced (S401)                      Service ID 03050000                      Credit: 1                      Grade Level: 11-12                      GPA: Advanced

Prerequisite: Biology Algebra I

Lab Science. Advanced Physics is a course, which includes all the concepts of Physics, but increases the challenge for those students with adequate mathematical background by providing additional opportunity for development of abstract reasoning and problem solving skills. This course is appropriate for motivated students considering further study in a science-related field. Students should expect approximately one to three hours of outside work per week. Scientific calculator recommended. Some college require/recommend Physics.



Advanced Animal Science (CT46) ServiceID 13000700      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisite: Biology Chemistry Algebra Geometry Small Animal Mgmt/Equine Science or Livestock Prod. Recommended: Vet Med App.

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This is also a CTE course.

Anatomy & Physiology (S403) Service ID 13020600      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisite: Biology and one additional science credit-Chemistry

Anatomy and Physiology is a course of scientific inquiry which concentrates on the study of the human body. Students will learn not only the physical anatomy, but also the physiological response of the body to internal and external stimuli. In addition, the course addresses both inter-organism and intra-organism comparative studies. This is also a CTE course.

Astronomy (S406)      Service ID 03060100      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisite: Biology Chemistry

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills.

Aquatic Science (S408)      Service ID 03030000      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisite: Biology, Chemistry

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and field work in this course may emphasize freshwater or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills.

Environmental Systems (S407) Service ID 03020000      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisite: Biology Chemistry

The Environmental systems class will provide a course of study which includes a variety of topics, including biotic and abiotic factors in habitats, ecosystems and biomes. Within an environmental system, students will study interrelationships among resources, sources and flow of energy, the relationship between carrying capacity, population changes and changes in environments. Environmental Systems is designed to give students an introduction to the major environmental problems facing the world and the scientific causes behind the problems. The course also teaches students how they are part of the problem and the solution.

Forensic Science (S409)      Service ID 13029500      Credit: 1      Grade Level: 11-12      GPA:

Regular Prerequisite: Biology and Chemistry Recommended Principles of Law, Public Safety, Corrections, and Security

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. This is also a CTE course.

Scientific Research & Design II (CT155)    Service ID 13037210    Credit: 1    Grade Level: 11-12    GPA: Regular

Prerequisite: Biology and Chemistry Recommended Forensic Science

Prerequisite: Biology, Chemistry, Integrated Physics, Chemistry (IPC), or Physics.

Scientific Research and Design is a broad-based course designed to allow students to identify problems, analyze data, formulate and present their conclusions. This course builds on topics covered in Forensics. Examples of topics covered- careers in forensics, forensic botany, types of intelligence, robbery, burglary, assault, wildlife forensics and more.

Pathophysiology (CT19)    Service ID 13020800    Credit: 1    Grade Level: 11-12    GPA: Regular

Prerequisites: Biology and Chemistry. Recommended prerequisite: a course from the Health Science Career Cluster.

The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. This is also a CTE course.

OnRamps GeoScience /Earth & Space (S505) Service ID 03060200    Credit: 1    Grade Level: 11-12    GPA: College Level

Prerequisite: Biology and Chemistry required,

OnRamps Dual Enrollment. GeoScience is a dual enrollment class with UT Austin that studies the Earth and its systems from the beginning to current activity. Study areas include rocks and their properties, geologic maps, lake, readings, physical earth structures and their interactions. This a flipped class requiring independent work.

OnRamps Physics (S507)    Service ID 03050000    Credit: 1    Grade Level: 11-12    GPA: College Level

Prerequisite: Biology, Physics and Algebra 2required,

OnRamps Dual Enrollment. Lab Science. This is an algebra-based (non-calculus) course in mechanics that fulfills a general physics requirement. Proficiency in algebra and geometry situations involving motion, force, energy , rotations, heat, oscillations, waves, and sound. Students will explore concepts in small groups, develop ideas, and explain them. This course lays the groundwork for college majors including engineering, physics, chemistry, or math.

AP Biology (S500)    Service ID A3010200    Credit: 1    Grade Level: 10-12    GPA: College Level

Prerequisites: Biology

AP Collegeboard Approved Course --- College level course. Full-year introductory college course in biology with laboratory work. Major content areas include molecules and cells; genetics and evolution, systems and interactions, and organisms and populations. Students should expect approximately 2-3 hour of outside work per week (homework or lab work). Summer Assignment may be required

OnRamps Biology (S509)    Service ID 13037200 Credit: 1    Grade Level: 11-12    GPA: College Level

Prerequisites: Biology

OnRamps Dual Enrollment. Lab Science College level course. Full-year introductory college course in biology with laboratory work. Major content areas include molecules and cells; genetics and evolution, systems and interactions, and organisms and populations. Students should expect approximately 2-3 hour of outside work per week (homework or lab work). Summer Assignment may be required

AP Chemistry (S501)      Service ID A3040000      Credit: 1      Grade Level: 10-12      GPA: College Level

Prerequisite: Chemistry

AP Collegeboard Approved Course --- Lab Science. College level course. AP Chemistry is a full-year introductory college level course in Chemistry with laboratory. The course will include the study of properties and composition of matter, including atomic and molecular structure, interactions of matter, both inorganic and limited organic topics. Students should expect approximately 2-3 hour of outside work per week (homework or lab work). A syllabus will be provided and scientific calculator recommended. Summer Assignment may be required

OnRamps Chemistry (S508)      Service ID 13037210      Credit: 1      Grade Level: 11-12      GPA: College Level

Prerequisites: Biology Chemistry

OnRamps Dual Enrollment. Lab Science College level course. A full-year introductory college level course in Chemistry with laboratory. The course will include the study of properties and composition of matter, including atomic and molecular structure, interactions of matter, both inorganic and limited organic topics. Students should expect approximately 2-3 hour of outside work per week (homework or lab work). A syllabus will be provided and scientific calculator recommended. Summer Assignment may be required

## Languages Other than English (LOTE)

Spanish 1 (FL10)      Service ID 03440100      Credit: 1      Grade Level: 9-12      GPA: Regular

Prerequisite: None

This introductory class is an initiation to the four basic skills of the Spanish Language: listening, speaking, reading, and writing. Emphasis is placed on practical vocabulary building, conversation skills and fundamental grammar structures. This class will also serve as an introduction to the cultures of the Spanish-speaking world and its impact on our own.

Spanish 2 (FL20)      Service ID 03440200      Credit: 1      Grade Level: 9-12      GPA: Regular

Prerequisite: Spanish 1

Spanish 2 continues the development of language skills begun in Spanish 1. Greater emphasis is placed on speaking and reading skills, as well as the introduction of more advanced grammar structures. Students will further expand their abilities with the use of creative and expository writing and class presentations. This class will also serve as a deeper introduction to the history of Spanish culture (both in Latin America and Europe) and expose students to the growing volume of Spanish popular culture in the public media. At the completion of this course, students should attain the level of Novice Proficiency as set forth by the TEKS objectives for World Languages.

Spanish 2 Advanced (FL23)      Service ID 03440200      Credit: 1      Grade Level: 9-12      GPA: Advanced

. Prerequisite: Spanish 1

Advanced Spanish 2 expands upon the basic Novice World Languages TEKS objectives and is designed for students interested in pursuing language study at an advanced level. In addition to the material covered in regular Spanish 2, stress is placed on oral and literary comprehension, as well as a greater understanding of Spanish culture (through readings, film, and student research projects). Students will also begin the development of persuasive compositions and the advanced grammar concepts that this area requires.

Spanish 3 Advanced (FL30)      Service ID 03440300      Credit: 1      Grade Level: 10-12      GPA: Advanced

. Prerequisite: Spanish II

Spanish 3 is recommended for those students who have achieved success at the lower levels. This class begins the study of Spanish language, literature, and culture in depth and is recommended for students wanting to place out of the college language requirement and pursue their studies at the university level. Advanced grammar concepts are introduced and studied at a much more rapid pace. Students will be required to demonstrate their continued proficiency through essays, readings, research projects and classroom conversations in addition to scheduled exams. Both students and teacher are expected to use their speaking skills as much as possible in the classroom.

AP Spanish Language and Culture (FL41) Service ID A3440100 Credit: 1 Grade Level: 11-12 GPA: College Level

. Prerequisite: Spanish III

AP Collegeboard Approved Course --- College level course. AP Spanish Language is designed for students at the end of their grammatical study of the Spanish Language. Students will refine their oral, reading, writing, and listening skills acquired in their previous classes and finish final advanced grammar concepts. Concurrently, students will continue study of various cultural, societal, and historical topics prevalent in Spanish society (literature, music, popular media). With the exception of grammar explanations, classes at this level are conducted almost in Spanish. Class will culminate in the Spanish Language AP test in the spring.

Special Topics in Language & Culture (FL42) Service ID 11410000 Credit: 1 Grade Level: 10-12 GPA: Regular

Prerequisite: Approval required for enrollment, Spanish I

The study of world cultures is an essential part of education. In the 21st century classroom, students gain an understanding of two basic aspects of human existence: the nature of communication and the complexity of culture. Students become aware of multiple perspectives and means of expression, which lead to an appreciation of difference and diversity. Further benefits of foreign culture study include stronger cognitive development, increased creativity, and divergent thinking. Students who effectively communicate in more than one language, with an appropriate understanding of cultural context, are globally literate and possess the attributes of successful participants in the world community.

## Physical Education

Physical education credits are offered to students, but do not count in a student's GPA. 1.0 credit is required to meet graduation requirements.

Physical Education (P100-P400)

Credit: 1

Grade Level: 9-12

Prerequisite: None

Students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle.

Athletics

Credit: 1

Grade Level: 9-12

Prerequisite: Must have physical

Students participate in team or individual sports. Requires after or before school practices and out of town games. Enrollment is required for participation in team sports. Students must meet UIL rules for participation. Team sports include: baseball, basketball, football, softball, tennis, and volleyball.

Marching Band (BA01-BA04) Service ID PES00012, PES00012, 84200XXX, 84200XXX Credit: 0.5 Grade Level: 9-12

Prerequisite: Must have physical

Physical Education credit may be earned by Marching Band course. Students will receive PE credit for marching band for the first credit. A local credit will be awarded for any additional credits.

Cheer (P114) Service ID PES00013,

Credit: 1.0

Grade Level: 9-12

Prerequisite: Must be selected to squad

Physical Education credit may be earned by Cheer course. Student will receive PE credit for cheer course for the first full credit. A local credit will be awarded for any additional credits.

Color Guard (BA1B, BA2B) Service ID PES00014, PES00014

Credit: 0.5

Grade Level: 9-12

Prerequisite: Must be selected to squad

Physical Education credit may be earned by Color Guard course. Student will receive PE credit for color guard during fall semesters for the first full credit. A local credit will be awarded for any additional credits.

# Fine Arts

## Art

Art I (FA10)      Service ID 03500100      Credit: 1      Grade Level: 9-11      GPA: Regular

Prerequisite: None

This year-long course is designed as a beginning art class for students wishing to pursue upper level art courses as well as for those who wish to satisfy their fine arts requirement for graduation. Students will be introduced to the elements of art, principles of design, 2-D and 3-D media and techniques, art history, critical thinking, and creative problem solving. Students will be provided a supply list that they will be financially responsible for.

Art II 2D (FA25)      Service ID 03500200      Credit: 1      Grade Level: 10-12      GPA: Regular

Prerequisite: Art I

This year-long course is for students interested in developing basic technical, compositional, and expressive skills using an array of 2D media. Students will discuss and critique related art from around the world and throughout history. They will also participate in class critiques where they will discuss their own artwork and the artwork of their classmates. Students will be provided a supply list that they will be financially responsible for.

Art III 2D (FA26)      Service ID 03500300      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisite: Art II

This year-long course is for the serious art student. Students will continue to advance in their technical, compositional, and expressive skills related to 2D art. They will continue to critique art from around the world and throughout history, along with their own art and that of their classmates. Students will also create a personal portfolio based on evaluation of developmental progress, competency in problem solving, and a variety of visual ideas. Students will be provided a supply list that they will be financially responsible for.

Art IV 2D (FA27)      Service ID 03500400      Credit: 1      Grade Level: 12      GPA: Regular

Prerequisite: Art III

This year-long course is for the serious art student. Students will continue to advance in their technical, compositional, and expressive skills related to 2D media. They will continue to critique art from around the world and throughout history, along with their own art and that of their classmates. Students will also create a personal portfolio based on evaluation of developmental progress, competency in problem solving, and a variety of visual ideas. Students will be provided a supply list that they will be financially responsible for.

Art II 3D (FA34)      Service ID 0350100      Credit: 1      Grade Level: 10-12      GPA:

Regular Prerequisite: Art I

This year-long course is for students interested in developing basic technical, compositional, and expressive skills using an array of 3D media. Students will discuss and critique related art from around the world and throughout history. They will also participate in class critiques where they will discuss their own artwork and the artwork of their classmates. Students will be provided a supply list that they will be financially responsible for.

Art III 3D (FA35)      Service ID 03501900      Credit: 1      Grade Level: 11-12      GPA:

Regular Prerequisite: Art II

This year-long course is for the serious art student. Students will continue to advance in their technical, compositional, and expressive skills related to 3D art. Students will continue to discuss and critique their artwork, the artwork of their classmates, and related works throughout history. Students will also create a personal portfolio based on evaluation of developmental progress, competency in problem solving, and a variety of visual ideas. Students will be provided a supply list that they will be financially responsible for purchasing.



Art IV 3D (FA36)    Service ID 03502800    Credit: 1    Grade Level: 12    GPA: Regular

Prerequisite: Art III

This year-long course is for the serious art student. Students will create a thematic portfolio of work that demonstrates knowledge, creativity, and skill. They will continue to discuss and analyze their work, the work of their classmates, and related works throughout history. Students will be provided a supply list that they will be financially responsible for.

Digital Arts/Animation (CT94)    Service ID 03580500    Credit: 1    Grade Level: 10-12    GPA: Regular

Prerequisites: Recommended Digital Media, Art I

In this course, students learn the elements and principles of design, as well as concepts of visual communication. Students will survey a variety of media and art, students use image editing, animation, and digital drawing to put into practice the art principles they've learned. They will explore career opportunities in the design, production, and presentation of digital artwork. They will respond to the artwork of others, and learn how to combine artistic elements to create finished pieces that effectively communicate their ideas.

OnRamps Art & Entertainment Technology    (FA50)    Service ID 03500120    Credit: 1    Grade Level: 11-12  
GPA: College Level

Prerequisite: High academic interest in art and technology

OnRamps Dual Enrollment. Art and Entertainment Technologies (AET), UT Austin AET 304 Foundations of Art and Entertainment Technologies. This Texas Course Curriculum course presents a broad overview of digital media technologies, software and applications along with the fundamental concepts of digital representations of images and signals. Students will study an assortment of entertainment concepts or experiences, discover the underlying technology involved and learn how this technology is delivered to participants.

Dual Credit Art Appreciation (ART 1301) (FA)    Service ID 03500110    Credit: 0.5    Grade Level: 11-12

GPA: College Level Prerequisite: Must meet TSIA requirements

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. An online course open to all students directed toward understanding the elements and principles of art as applied to the visual arts: painting, sculpture and architecture as well as printmaking, ceramics, metal work and weaving. A brief survey of the history of Art is also included.

## Band

Band – Concert (BA16, BA26, BA36, BA46)    Credit: 1    Grade Level: 9-12    GPA: Regular  
Service ID 03150100, 03150200, 03150300, 03150400

Prerequisite: Director approval

Open to any instrumentalist. Students will participate in a rigorous music curriculum that includes UIL, research, and the study of advanced literature. Assignments change each semester throughout the course of HS.

Band – Jazz (BA11, BA21, BA31, BA41)    Credit: 1    Grade Level: 9-12    GPA: Regular  
Service ID 03151300, 03151400, 03151500, 03151600

Prerequisite: Must be concurrently enrolled in Concert Band

Open to any instrumentalist by audition. Students will study a wide variety of jazz literature, history and styles

Band – Ensemble    Credit: 1    Grade Level: 9-12    GPA: Regular  
Service

Prerequisite: Must be concurrently enrolled in Concert Band

Open to any instrumentalist by audition. Students will study a wide variety of music styles

Band-Music Theory    Credit: 1    Grade Level: 11-12    GPA: Regular  
Service ID

Prerequisite: Must be concurrently enrolled in Concert Band

Students will study a wide variety of music theories

## Choir

Women's Choir (CH10, CH20, CH30, CH40)      Credit: 1      Grade Level: 9-12      GPA: Regular  
Service ID 03150900, 03151000, 03151100, 03151200

Prerequisite: None

Women's choir is a non-auditioned choir open ninth grade through twelfth grade women. Students enrolled in the course will develop singing, listening, sight-reading, and music theory skills. Women's choir travels to UIL Concert & Sight-Reading Contest each year as a women's choir and also competes in local and regional choral competitions. Membership requires attendance at extracurricular activities, including concerts, rehearsals, and/or sectionals.

Men's Choir (CH11, CH21, CH31, CH41)      Credit: 1      Grade Level: 9-12      GPA: Regular  
Service ID 03150900, 03151000, 03151100, 03151200

Prerequisite: None

Men's choir is a non-auditioned choir open ninth grade through twelfth grade women. Students enrolled in the course will develop singing, listening, sight-reading, and music theory skills. Men's choir travels to UIL Concert & Sight-Reading Contest each year as a Men's choir and also competes in local and regional choral competitions. Membership requires attendance at extracurricular activities, including concerts, rehearsals, and/or sectionals.

Acappella Varsity Mixed (CH15, CH25, CH35)      Credit: 1      Grade Level: 9-12      GPA: Regular  
Service ID 03152100, 03152200, 03152300

Prerequisite: Director approval required

Acappella Varsity Mixed choir is a audition choir open to ninth grade through twelfth graders. Students enrolled in the course will develop singing, listening, sight-reading, and music theory skills.

## Theatre

Theater Arts I-IV (FA12, FA24, FA33, FA40)      Credit: 1      Grade Level: 9-12      GPA: Regular  
Service ID 03250100, 03250200, 03250300, 03250400

In this class you will experience many different aspects of theatre. Our goal is to improve your performance level, your knowledge of theatre, and, most importantly, your self-confidence. You will be trained in the fundamental skills of the theatre arts, including improvisation techniques, body control, voice, diction, pantomime, auditioning, memorization techniques, character development I, projection of ideas and emotions and preparation and acting of scenes from plays. Acting projects will provide positive group experiences in collaborative assignments, developing self-discipline, evaluating the performances of others, and accepting constructive criticism. Instruction develops language skills and appreciation through reading dramatic literature; using written critiques; writing dramatic scenes, character analyses, play reports, and introductions; observing with sensitivity; listening critically; and speaking effectively.

Technical Theatre I (FA14)      Service ID 03250500      Credit: 1      Grade Level: 9-12      GPA: Regular

In this class you will experience many different aspects of technical theatre. Our goal is to improve your knowledge of technical theatre, give you the tools to properly function within the theater, and most importantly, become part of the knowledgeable technical crew. Technical Theatre is a hands-on introduction to the understanding, designing, crafting and execution of theatrical productions. Our objective is to learn the basics of theatre terminology and to obtain the hands-on skills to properly execute the basic theatre production. You will come from this course a better problem solver, carpenter, electrician, designer, team member, and leader.

Technical Theatre II-IV (FA2A, FA3A, FA4A)      Credit: 1      Grade Level: 9-12      GPA: Regular  
Service ID 03250600, 03251100, 03251200

Prerequisite: Must have completed Technical Theatre I

This is an advanced level of Technical Theatre where we have challenging projects in each area of the theater. This level requires creativity and problem solving skills in order to create the effects that we need for productions. This class will also be helping with the productions throughout the school year.

## Speech

Professional Communications (CT01 (8) /CT63 (9-12)  
Service ID 13009900, 13009900

Credit: 0.5

Grade Level: 8-12

GPA: Regular

This high school speech course is designed to provide opportunities for students to understand and develop effective interpersonal communication skills for the 21<sup>st</sup> Century. Professional Communications blends written, oral, and graphic communication in a career-based, business environment. Students will prepare, present, and evaluate a variety of multimedia presentations that are appropriate for the professional setting.

Public Speaking Dual (SPCH 1315) (SS68) Service ID 03240900 Credit: 0.5 Grade Level: 11-12 GPA: College Level

Prerequisite: Must meet TSIA requirements

Dual Credit with North Central Texas College or Texas Woman's University --- College level course. Public Speaking (SPCH 1315) Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations.

## Career & Technical Education (CTE) Electives

Public Notification of Nondiscrimination in Career and Technical Education Programs  
Krum ISD offers career and technical education programs in all sixteen career clusters including: Agricultural Food and Natural Resources; Architecture and Construction; Arts, Audio Visual Technology and Communication; Business Management and Administration; Education and Training; Finance; Health Science; Hospitality and Tourism; Human Services; Information Technology; Law, Public Safety and Security; Manufacturing; Marketing, Sales, Services Science, Engineering, Technology, and Math; Transportation, Distribution and Logistics. Admission to these programs is based on interest and aptitude, age appropriateness, class space availability and application process.

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

Krum 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, Nancy Shipley, at 940-435-7116 [nancy.shipley@krumisd.net](mailto:nancy.shipley@krumisd.net) and/or the Section 504 Coordinator, Terry Rahn, at 940-4357117 [terry.rahn@krumisd.net](mailto:terry.rahn@krumisd.net) or by mail at, 1200 Bobcat Blvd. Krum, Texas 76249

**\*\*At this time Krum ISD is exploring options to enable our students to pursue cosmetology certifications through North Central Texas College. More information will be forthcoming as it becomes available.\*\***

## Agriculture, Food, Natural Resource & Manufacturing

Principles of Ag. Food & Natural Resources (CT05) Service ID 13000200 Credit: 1 Grade Level: 8-12 GPA: Regular

Prerequisite: none

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

Ag Mechanics & Metal (CT24) ServiceID 13002200 Credit: 1 Grade Level: 9-12 GPA: Regular

Prerequisite Recommended Prin. Of AFNR

Students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. Students also gain an understanding of career opportunities available in manufacturing and what employers require to gain and maintain employment in these careers.

Ag Structure and Design (CT81) ServiceID 13002300 Credit: 1 Grade Level: 10-12 GPA: Regular

Prerequisite: recommended Ag Mechanics and Metal

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. Certifications aligned to this course: AWS D1.1: Tack Weld Certification

Ag. Equipment and Lab (CT82) Service ID 13002360 Credit: 2 Grade Level: 11-12 GPA: Regular

Prerequisite: recommended Ag. Mechanics and Metal

Rapid advances in technology have created new career opportunities and demands in many industries. In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. Agriculture Equipment and Lab provides the knowledge, skills, and technologies required for employment in metal technology systems. This course supports integration of academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success. Certifications aligned to this course AWS D9.1 Sheet Metal Fillet Weld Cert. AWS D1/1 Fillet Weld Cert.

Ag Structure and Design Fabrication (CT83) Service ID 13002310 Credit: 2 Grade Level: 11-12 GPA: Regular

Prerequisite: recommended Ag Mechanics and Metal

This course is a continuation of agricultural mechanics and metal technology. Students will learn how to apply appropriate technology to metal construction related to agricultural structures design and fabrication. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success. Certifications aligned to this course AWS D9.1 Sheet Metal Groove Weld Certification API 57/ASME IX Fillet Weld Certification

Livestock Production (CT32) Service ID 13000300 Credit: 1 Grade Level: 9-12 GPA: Regular

Prerequisite: none

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Turf Grass Management (CT78) ServiceID 13001950 Credit: 0.5 Grade Level: 9-12 GPA: Regular

Prerequisite: none

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Landscape Design and Mgmt. (CT77) Service ID 13001900 Credit: 0.5 Grade Level: 9-12 GPA: Regular

Prerequisite: none

Landscape Design and Management is designed to develop an understanding of landscape design and management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

Horticulture Science (CT20) Service ID 13002000 Credit: 1 Grade Level: 10-12 GPA: Regular

Prerequisite: none

Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings.

Equine Science (CT22) Service ID 13000500 Credit: 0.5 Grade Level: 10-12 GPA: Regular

Prerequisite: none

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Small Animal Management (CT21) Service ID 13000400 Credit: 0.5 Grade Level: 10-12 GPA: Regular

Prerequisite: none

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings.

Agriculture Power Systems (CT27) Service ID 13002400 Credit: 2 Grade Level: 10-12 GPA: Regular

Prerequisite: recommended Principles in Agriculture, Food & Natural Resources and Ag Mechanics and Metal

Agricultural Power Systems is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural,



and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings.

Floral Design (CT30)      Service ID 13001800      Credit: 1      Grade Level: 10-12      GPA: Regular

Prerequisite: none

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. This course also satisfies a Fine Arts credit requirement. Certifications aligned to this course Texas State Floral Association Knowledge Based Certification Texas State Floral Association Level 1 Certification

Greenhouse Operations & Production (CT80) Service ID 13002050      Credit: 1      Grade Level: 9-12      GPA: Regular

Prerequisite: none

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

Advanced Animal Science (CT46)      Service ID 13000700      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisite: Biology Chemistry Algebra I Geometry Small Animal Management, Equine Science or Livestock Prod.  
Recommended Vet Med App

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course also satisfies a science credit requirement.

Veterinary Medical Applications (CT09)      Service ID 13000600      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisite: recommended Livestock Production, Equine Science and Small Animal Management

Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding care opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings.

Practicum in Ag., Food, and Natural Resources (CT79) Service ID 13002500 Credit: 2 Grade Level: 11-12 GPA: Regular

Prerequisite: recommended at least one credit in AFNR

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

## Digital Communications

Digital Communications in the 21<sup>st</sup> Century (CT108) Credit: 1 GradeLevel: 9-12 GPA: Regular Service ID 03580610

Prerequisite: none

Digital Communications in the 21st Century will prepare students for the societal demands of increased civic literacy, independent working environments, global awareness, and the mastery of a base set of analysis and communication skills. Students will be expected to design and present an effective product based on well-researched issues in order to thoughtfully propose suggested solutions to authoritative stakeholders.

Audio/Video ProductionI (CT25) Service ID 13008500 Credit: 1 Grade Level: 10-12 GPA: Regular

Prerequisite: recommended Principles in Arts, A/V Technology & Communications

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

Audio/Video Production II (CT75) Service ID 13008600 Credit: 1 Grade Level: 11-12 GPA: Regular

Prerequisite: Audio/Video ProductionI

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Clusters, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format with both audio and video.

Practicum in Audio/Video Production (CT76) Service ID 13008700 Credit: 2 Grade Level: 11-12 GPA: Regular

Prerequisite: Audio/Video Production II and Audio/Video II lab

Careers in audio/video production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

## Graphic Design & Multimedia Arts

Digital Media (CT26) Service ID 13027800 Credit: 1 Grade Level: 9-12 GPA: Regular

Prerequisites: None

Have you ever seen an advertisement or edited sports photo and wondered, "How did they do that?" Digital & Interactive Multimedia provides students a hands-on experience with current technology in the marketplace and its application in information technology. A wide range of current software will be explored. Students will use their creativity and skills to create and edit interactive multimedia presentations; including digital images, sound, animation and web pages. The knowledge and skills acquired in this class will enable students to successfully perform and interact in today's technology-driven society. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

Graphic Design & Illustration I (CT69)      Service ID 13008800      Credit: 1      Grade Level: 10-12      GPA: Regular

Prerequisite: recommended Digital Communication in the 21<sup>st</sup> century

A course for creative and artistic students, this course will appeal to students who enjoy designing and creating projects that communicate visually. Graphic Design and Illustration is a creative study of the art of visual communications and advertising through creativity, illustration, design, analysis, approach and technical skills. Students will improve communication skills by learning to communicate visually, describe and defend their work, interview clients, and present completed layouts and develop electronic and print portfolios.

Graphic Design & Illustration II (CT102)      Service ID 13008900      Credit: 1      Grade Level: 10-12      GPA: Regular

Prerequisite: recommended Digital Communication in the 21<sup>st</sup> century and Graphic Design & Illustration I

Within this context, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

Digital Arts/Animation (CT94)      Service ID 03580500      Credit: 1      Grade Level: 10-12      GPA:

Regular Prerequisites: Recommended Digital Media, Art I

In this course, students learn the elements and principles of design, as well as concepts of visual communication. Students will survey a variety of media and art, students use image editing, animation, and digital drawing to put into practice the art principles they've learned. They will explore career opportunities in the design, production, and presentation of digital artwork. They will respond to the artwork of others, and learn how to combine artistic elements to create finished pieces that effectively communicate their ideas. This is a Fine Arts Credit.

Practicum in Graphic Design Illustration (CT91)      Service ID 13009000      Credit: 2      Grade Level: 11-12      GPA:

Regular Prerequisites: Recommended Digital Media, Digital Arts/Animation

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

## Business Management and Administration and Finance

Business Information Management (BIM) (CT11) Service ID 13011400 Credit: 1 Grade Level: 9-12 GPA: Regular

Prerequisite: recommended Principles in Business, Marketing, and Finance Touch System Data Entry

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. Certifications aligned to this course Microsoft Word Microsoft PowerPoint Microsoft Excel

Global Business (CT65)      Service ID 13011800      Credit: 0.5      Grade Level: 10-12      GPA: Regular

Prerequisite: none

Students will analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.

Business Law (CT37)      Service ID 13011700      Credit: 1      Grade Level: 10-12      GPA: Regular

Prerequisite: none

Students analyze the legal and social responsibility of business through engaging projects and case studies. Issues addressed relate to the legal environment, business ethics, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, and employment. Students apply technical skills to address business applications of contemporary legal issues. Students incorporate a broad base of knowledge to make appropriate business decisions that includes the legal, managerial, marketing, financial, and ethical scope of business.

Human Resource Management (CT38) Service ID 13011900 Credit: 0.5 Grade Level: 10-12 GPA: Regular

Prerequisite: none

Students analyze the primary functions of human resource management, which include recruitment, training, and compensation. Students explore topics addressing equal employment opportunities, career development, employee benefits, and job safety and health. Students develop a foundation in human resources in order to become competent managers, employees, and entrepreneurs. Incorporating a broad base of knowledge, students will be able to make appropriate human resource decisions.

Statistics and Decision Making (CT109) Service ID 13016900 Credit: 1 Grade Level: 11-12 GPA:

Regular Prerequisite: Algebra I and Geometry

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Business English (E402) Service ID 13011600 Credit: 1 Grade Level: 12 GPA: Regular

Prerequisite: English III Recommended Touch System Data Entry

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts for business reproduction. This course also satisfies an English credit requirement

Career Prep I &II (CT90) Service ID Credit: 2 Grade Level: 11-12 GPA: Regular

Prerequisites: Required Orientation

Students may choose to receive THREE high school elective credits per year for attending one Career Preparation class and working 15 hours per week in a related career field. Students are paid for the hours employed and must follow the guidelines established by Krum ISD. Students may receive teacher assistance in finding job openings but students are responsible for securing employment on their own. Students may enter this program ONLY at the beginning of each school year and/or at semester. Students must have an approved employment location by the end of the FIRST two weeks of the semester in order to earn credit.

Students are eligible for an early release from school in order to report to their employment location. Students will receive instruction concerning work ethics, attitude, employers' expectations, and goal setting. Students will be monitored at the employment location and receive on-the-job experience and training. The majority of these students tend to graduate with an enhanced resume. Students must 16 years old to be considered and their attendance and grades will be evaluated. Students must provide their own transportation to their work based learning sites

Practicum in Business Management (CT72) Service ID 13012200 Credit: 2 Grade Level: 11-12 GPA: Regular

Prerequisite: Principles in Business, Marketing, and Finance, Recommended Touch System Data Entry

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Principles of Education & Training (CT17) Service ID 13014200 Credit: 1 Grade Level: 9-12 GPA: Regular

Prerequisite: none

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

Human Growth and Development (CT23) Service ID 13014300 Credit: 1 Grade Level: 10-12 GPA: Regular

Prerequisite: recommended Principles in Education and Training

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Child Development (CT51) Service ID 13024700 Credit: 1 Grade Level: 10-12 GPA: Regular

Prerequisites: recommended Principles of Human Services

YES – This is the class with the electronic baby simulators!!! Students will enjoy many hands on and interactive activities introducing them to the various aspects in child growth and development. Starting with Prenatal Care through School Age Child, this course is designed to give our students VALUABLE knowledge and skills needed to promote the well-being and healthy development of children. We will address current topics and trends associated within child development as well as research and analyze historical theory and methods. Our goal is to equip ALL students with the skills needed for the successful guidance of our future generations!

Instructional Practices (CT74) Service ID 13014400 Credit: 2 Grade Level: 11-12 GPA: Regular

Prerequisite: recommended Principles in Education and Training, Human Growth and Development

Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students.

Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Education and Training (CT73) Service ID 13014500 Credit: 2 Grade Level: 12 GPA: Regular

Prerequisite: Principles in Education and Training, Human Growth and Development, Instructional Practices

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel

General Employability Skills (CT08) Service ID N1270153 Credit: 1 Grade Level: 9-12 GPA: Regular

Prerequisite: none

This course provides students with knowledge of the prerequisite skills for general employment as well as the means of obtaining those skills. Employability skills include fundamentals of maintenance of personal appearance and grooming. The course also includes the knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability skills and abilities and is experiential learning that takes place over time.



## Education and Training

Principles of Ed. and Training (CT89)      Service ID N1270154      Credit: 1      Grade Level: 9-12      GPA: Regular

Prerequisite: none

The Student to Industry Connection course provides students with the opportunity to develop professional relationships with experienced individuals within the student's chosen program of study and to demonstrate necessary skills for an online virtual workplace. Students will learn acceptable virtual etiquette and professionalism for a teleworking environment. The central focus of this course is to prepare students to be 21st century career ready through interaction with a seasoned workplace mentor. The course may include a work-based learning component. Instruction will support students with marketable skills attainment. course is recommended for students 16 years of age or older.

## Health Science

Principles of Health Science (CT12)      Service ID 13020200      Credit: 1      Grade Level: 9-12      GPA: Regular

Prerequisite: none

Are you interested in the field of medicine?? The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

Medical Terminology (CT13)      Service ID 13020300      Credit: 1      Grade Level: 10-12      GPA: Regular

Prerequisites: none

Medical terminology is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Health Science Theory (CT68)      Service ID 13020400      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisite: Biology Principles of Health Science recommended

This course is designed to provide for the development of multi-occupational knowledge and skills related to a wide variety of health care careers. Students will have hands-on experiences for continued knowledge and skill development. The course may be taught by different methodologies such as laboratory, clinical rotation, or cooperative education. Student may be placed in clinical rotation internships at the hospitals; this placement is a privilege, not a guarantee.

Anatomy & Physiology (S403)      Service ID 13020600      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisite: Biology and one additional science credit

Anatomy and Physiology is a course of scientific inquiry which concentrates on the study of the human body. Students will learn not only the physical anatomy, but also the physiological response of the body to internal and external stimuli. In addition, the course addresses both inter-organism and intra-organism comparative studies. This course also satisfies a science credit requirement.

Pathophysiology (CT19)      Service ID 13020800      Credit: 1      Grade Level: 11-12      GPA: Regular

Prerequisites: Biology and Chemistry. Recommended prerequisite: a course from the Health Science Career Cluster.

The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology

will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. This course also satisfies a science credit requirement.

## Human Services

Principles of Human Services (CT18)    Service ID 13024200    Credit: 1    Grade Level: 9-12    GPA: Regular

Prerequisite: none

Do you have a desire to serve others? Have you always wanted to work with people? Do you feel called to help those around you? Human Services is a LARGE career cluster designed to introduce students to the MANY different areas in Family and Consumer Sciences. This interactive yet informative course will introduce the following career areas: Counseling and Mental Health, Early Childhood Development, Family and Community Services, Consumer Services, and Personal Care Services.

Students will also gain a foundation of knowledge and skills in each of these areas.

Interpersonal Studies (CT2H)    Service ID 13024400    Credit: 0.5    Grade Level: 10-12    GPA: Regular

Prerequisites: recommended Principles of Human Services Principles of Health Science Principles of Education

Everyone we meet and everywhere we go -- relationships are being developed. Learn the ins and outs to being successful in ALL of LIFE's varying interactions. Beginning with personal development, this course takes you through the Life Cycle; emphasizing skills and knowledge that are beneficial to each stage. Along with examining how relationships are built; students will also be introduced to techniques to enhance these connections, strategies to help manage multiple adult roles, and coping methods needed for handling LIFE's various ups and downs. Careers related to the Counseling and Mental Health Services area will also be examined in this insightful and enlightening course.

Applied Nutrition and Dietetics (CT103 )    Service ID N1302541    Credit: 1    Grade Level: 10-12    GPA: Regular

Prerequisite Recommended Principles of Human Services, Lifetime Nutrition and Wellness or Child Development

This course builds on the fundamental nutritional knowledge gained from the Lifetime Nutrition and Wellness course by reinforcing professional standards, food safety and sanitation, food service and management, and nutrition care for individual and groups at a deeper level.

Lifetime Nutrition and Wellness (CT2L)    Service ID 13024500    Credit: 0.5    Grade Level: 10-12    GPA: Regular

Prerequisites: recommended Principles of Human Services Principles of Health Science

In the Kitchen is where you will find us for this course!! Learn all about keeping our bodies healthy and well through our food choices! This interactive class takes students from behind the desk and places them in front of a stove as they learn the best ways to prepare delicious snacks and meals. Along with cooking techniques, students will be introduced to safety and sanitation principles, food storage methods, and the changing nutritional needs across the lifespan. This course is a MUST HAVE for all students – especially those in need of learning the basics behind preparing and planning meals!

Practicum in Human Services (CT71)    Service ID 13025000    Credit: 2    Grade Level: 11-12    GPA: Regular

Prerequisite: none

Practicum in Human Services provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster.

## Culinary

Intro to Culinary (....)    Service ID 13022550    Credit: 1    Grade Level: 9-12    GPA: Regular

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

Culinary Arts (....)      Service ID 13022600...      Credit: 2      Grade Level: 10-12      GPA: Regular

Prerequisite: recommended Intro to Culinary

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course.

Advanced Culinary Arts (offered in 24-25 school year)      Service ID 13022700...Credit: 2-3      Grade Level: 10-12      GPA: Regular

Prerequisite: recommended Intro to Culinary Culinary Arts

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards to prepare students for success in higher education, certifications, and/or immediate employment.

Practicum in Culinary Arts (offered in 25-26 school year)      Service ID 13022650...Credit: 2      Grade Level: 10-12      GPA: Regular

Prerequisite: recommended Intro to Culinary Culinary Arts Advanced Culinary Arts

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing culinary art based workplace.

## Cosmetology

Intro to Cosmetology (....)      Service ID 13032100      Credit: 1      Grade Level: 9-12      GPA: Regular

In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements

Cosmetology I (....)      Service ID 13025200      Credit: 1      Grade Level: 9-12      GPA: Regular

Prerequisite: recommended Intro to Cosmetology

In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

Cosmetology II (....)      Service ID 13025300      Credit: 1      Grade Level: 9-12      GPA: Regular

Prerequisite: recommended Intro to Cosmetology

In Cosmetology II, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies, and materials; and practical skills.

## Law, Public Safety, Corrections, and Security

Principles of Law, Public Safety, Corrections and Security (CT33) Service ID 13029200      Credit: 1      Grade Level: 9-12  
GPA: Regular

Prerequisite: none

This is an introductory course in the Law Enforcement program of study. In this course, students will analyze the legal responsibilities associated with roles and functions within law, public safety, corrections, and security organizations. The students will implement measures to maintain safe and healthful working conditions in a lab and public safety environment. This course would be beneficial to any student that is considering a career in law enforcement.

Criminal Investigations (CT34)      Service ID 13029550      Credit: 1      Grade Level: 10-12      GPA: Regular

Prerequisite: Recommended-Principles of Law, Public Safety, Corrections and Security

This course introduces students to the profession of criminal investigation. Students will understand basic functions of CI (Criminal Investigations) and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to CI, crime scene processing, evidence collection and courtroom presentation. Through the studies and simulated crime scenes, students will collect and analyze evidence such as hairs, fibers, bite marks, drugs, tool marks, blood splatter and digital evidence.

Federal Law Enforcement & Protective Services (CT92) Service ID 13029800 Credit: 1 Grade Level: 11-12 GPA: Regular  
Prerequisite: Recommended-Principles of Law, Public Safety, Corrections and Security

Federal Law Enforcement and Protective Services provides the knowledge and skills necessary to prepare for certification in security services for federal law enforcement and protective services. The course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information, to ensure computer security, to provide information assurance, and to prevent cybercrime.

Law Enforcement II (CT101) Service ID 13029400 Credit: 1 Grade Level: 11-12 GPA: Regular  
Prerequisite: Recommended-Fed. Law Enf. And PS Principles of Law, Public Safety, Corrections and Security

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement

Forensic Psychology (CT86) Service ID N1303012 Credit: 1 Grade Level: 11-12 GPA: Regular  
Prerequisite: Recommended-Psychology

Forensic psychology is found at the intersection between psychology and the criminal justice system. It involves understanding criminal law in the relevant jurisdictions in order to be able to interact within the criminal justice system. It utilizes and applies basic skills developed in psychology and criminal scenarios resulting in a structured and scientific approach to investigative analysis; thereby, enabling police and law enforcement officials to predict criminal activity via scientific analysis rather than intuition. Students will learn basic structured psychological investigative techniques in question building, interviewing, criminal behavior characteristics, truth detection methodology, research methods, statistical analysis and probability forecasting.

Forensic Science (S409) Service ID 13029500 Credit: 1 Grade Level: 11-12 GPA: Regular  
Prerequisite: Biology and Chemistry

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. This course also satisfies a science credit requirement

Practicum in Law, PS, and Security Service ID 13030100 Credit: 2 Grade Level: 11-12 GPA: Regular  
Prerequisite: Recommended-Fed. Law Enf, Law Enforcement II and PS Principles of Law, Public Safety, Corrections and Security

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

## Exercise Science and Wellness

Principles of Exercise Science (CT107) Service ID N1302107 Credit: 1 Grade Level: 10-12 GPA: Regular

The course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health.

Kinesiology I, II (CT96 and CT98 ) Service ID N1320104/N1302124 Credit: 1 Grade Level: 10-12 GPA: Regular

In this course, students will learn the basics of anatomy, physiology, biomechanics, kinesiology, general nutrition, and basic athletic training procedures. Instructional materials and activities support attainment of National Safety Council, American Sports Medicine Association, and The National Athletic Trainers' Association industry standards. Lab sessions cover training-room operations, taping and wrapping, athletic injury assessment, advanced First Aid, use of heat and cold modalities, recordkeeping, rehabilitation, and time management skills. Also included are job shadow and internship opportunities. Extended hours are required per instructor's specifications.

Project Based Research(CT104/CT105/CT106 ) Service ID 12701500/12701510/12701520 Credit: 1

Grade Level: 10-12 GPA:Regular

This course is for students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests.

## Elective Courses

### Journalism

Journalism (E206) Service ID 03230100 Credit: 1 Grade Level: 9-12 GPA: Regular  
Prerequisite: none

Students enrolled in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written compositions on a regular basis, carefully examining their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Journalism, students are expected to write in a variety of forms and for a variety of audiences and purposes. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing.

Photojournalism (E302) Service ID 03230800 Credit: 1 Grade Level: 9-12 GPA: Regular

Prerequisite: None

Students enrolled in Photojournalism will gain experience in photographing people and events in natural lighting with digital cameras. High school students will study the laws and ethical considerations that impact photography. Published photos of professional photojournalists, technology, and electronic media are used as tools for learning as students create, clarify, critique, and produce effective visual representations. Students enrolled in this course will learn to edit photos and design pages through the use of Photoshop and InDesign software. Students will show their creativity as they refine and enhance their journalistic skills by planning, preparing, and producing photographs for a journalistic publication whether print, digital or online media.

Students are responsible for the proper care and handling of our digital cameras.

Yearbook (E306, E406, E407) Service ID 03230110, 03230120, 03230130 Credit: 1 Grade Level: 10-12 GPA: Regular

Prerequisites: recommended Photojournalism

Yearbook gives students marketable experience in print media publishing. This course solely works toward the completion and selling of a large finished product, Krum High School's yearbook. Yearbook class is a real business maintaining an account that must balance-out at the end of term. In class, students compose, construct, and edit all elements of computerized text layout, graphic art, and digital photography. Students work on many clerical operations, make announcements, maintain signs, conduct student polls, take photos, and write articles. The course in turn covers many of the content standards and objectives encountered in English courses, as does it also for objectives of art, business, and computer technology courses. Because Yearbook is a monetary business, students must cooperatively work with others, must be hardworking, and be eager to be creative. Out of class and after school, students will shoot digital photos, sell and design advertising, and distribute yearbook order forms. Students are responsible for the proper care and handling of our digital cameras. Pairs or groups of students should expect to spend some of their time before and after school working on computerized yearbook pages.



Creative Writing (E105) Service ID: 03221200

Credit: 1

Grade Level:9-12

GPA: Regular

Prerequisite: None

Creative Writing is designed for students who enjoy writing and are interested in producing original work. The course focuses on the principles of creative writing and producing original work with emphasis on stylistic techniques such as the use of figurative language and other literary devices and various organizational models used for the development of text structure. Emphasis is placed on the production of original works that afford the student the opportunity to develop an individual style of writing. Students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers, including publication of their best work. This course counts as an English elective.

Creative Writing II (E901) Service ID: 03221810

Credit: 1

Grade Level:9-12

GPA: Regular

Prerequisite: Creative Writing I

Creative Writing is designed for students who enjoy writing and are interested in producing original work. The course focuses on the principles of creative writing and producing original work with emphasis on stylistic techniques such as the use of figurative language and other literary devices and various organizational models used for the development of text structure. Emphasis is placed on the production of original works that afford the student the opportunity to develop an individual style of writing. Students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers, including publication of their best work. This course counts as an English elective.

Dual Credit Intro to Philosophy (ENGL ) (E607) Service ID 03221800 Credit: 0.5 Grade Level: 12 GPA: College

Level Prerequisite: Must meet TSIA2 requirements

Dual Credit with North Central Texas College or Texas Woman's University --- A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in philosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications. Students who pass the course will receive 3 college hours of credit, and ½ credit English Elective

## Local Credit

Local credits are offered to students but do not count in a student's GPA. Credit is not awarded for local credit classes towards state requirements.

Color Guard (BA1D, BA2D, BA34, BA44)                      Credit: 0.5(local)                      Grade Level: 9-12  
Service ID 84200XXX, 84200XXX, 84200XXX, 84200XXX

Prerequisite: Must be selected to squad

Physical Education credit may be earned by Color Guard course during fall semesters for the first full credit. A local credit will be awarded for any additional credits. The codes listed above are used once a student has earned the PE credit and/or in the spring semester.

Cheer (P115)                      Service ID 84200XXX,                      Credit: 1.0 (local)                      Grade Level: 10-12

Prerequisite: Must be selected to squad

Physical Education credit may be earned by Cheer course during for the first full credit. A local credit will be awarded for any additional credits. The code listed above is to be used for students who have already earned the PE credit.

Office Aide(L815)                      Service ID 85000XXX                      Credit: 1 (local)                      Grade Level: 11-12

Administrative approval required (see counselor for details)

Students can apply to be an office aide or library aide in the preceding spring semester, only students who have completed an application will be considered. Students who are chosen will be scheduled into an office aide or library aide period by their counselor.

Off Period (L819, L825, L826)                      Service ID 85000XXX, 85000XXX, 85000XXX, 85000XXX                      Grade Level: 12

Seniors can request off periods 1st, 7th and/or 8th pd. Students may have a maximum of two off periods in per semester. Students must be in good standing academically and behaviorally to receive and maintain off periods. Parent permission required

Test Prep (L829)                      Service ID 85000XXX                      Credit: 1 (local)                      Grade Level: 10-12

Test Prep helps prepare students for the ACT and SAT tests. It reviews math from basic algebra I and geometry through trig and probabilities. The focus is on how to solve word problems, equations required, and processes involved in equation solutions. Grammar and reading skills are reviewed or reinforced. Through it all, you practice ACT and SAT style questions under time limits to prepare you for the rigor of these very important tests.

# High School Courses Offered at Middle School

Algebra I (M100)                      Service ID 03100500              Credit: 1    Grade Level: 8-12    GPA: Regular

Prerequisite: High academic interest and a strong work ethic in Mathematics

Advanced study of learning to compute positive and negative numbers, solve equations, percents, proportions, graphing and writing equations. TI-83 graphing calculators will be available for students to use in class, but individual purchase of one is strongly recommended.

Spanish 1 (FL10)                      Service ID 03440100              Credit: 1              Grade Level: 8-12              GPA Advanced

Prerequisite: High academic interest in Spanish

This advanced introductory class is designed for students that plan on continuing their Spanish studies into the higher levels. This class will develop the four basic elements of the language: listening, speaking, reading, and writing. Emphasis is placed on fundamental grammar structure, composition, vocabulary building and introductory conversational / reading practice. This class will also serve as an introduction to the cultures of the Spanish-speaking world and its impact on our own. Concepts will be covered more in depth than in the regular class and at faster pace. \*\*IF students complete the dual language program at the elementary level, they have the option to take Spanish 1 credit as pass/fail. Students that take the pass/fail credit would be eligible to take Spanish II via TxVSN at the middle school.

Professional Communications (CT01)    Service ID 13009900              Credit: 0.5              Grade Level: 8-12              GPA: Regular

This high school speech course is designed to provide opportunities for students to understand and develop effective interpersonal communication skills for the 21<sup>st</sup> Century. Professional Communications blends written, oral, and graphic communication in a career-based, business environment. Students will prepare, present, and evaluate a variety of multimedia presentations that are appropriate for the professional setting.

Principles of Business, Marketing and Finance (CT15)    Service ID 13011200    Credit: 1    Grade Level: 8              GPA: Regular

Prerequisite: none

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Throughout this course, students will improve and master technology skills, including computer software applications and internet research.

Principles of Agriculture, Food & Natural Resources (CT02)    Credit: 1              Grade Level: 8-12              GPA: Regular  
Service ID 13000200

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

Principles of Arts, Audio/Video Technology, and Communications (CT10)    Credit: 1              Grade Level: 7-12              GPA: Regular  
Service ID 13008200

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

## Appendix

# KRUM HIGH SCHOOL

## Schedule Change Request Form

Students were provided an opportunity to re-evaluate their requested classes for the 2024-2025 school year for any reason by May 24, 2024 as long as the students requested classes meet graduation requirements.

Students who register for a course are committed to that course. Class creation and teacher assignments are based on student course requests, therefore we can only honor schedule change requests that meet certain criteria. Importantly, course changes will be made only if educational need is demonstrated and space is available in the subsequent course.

Students must complete and turn in this form to their counselor by the ninth day of the semester.

Teacher assignments are based on student course requests, therefore consideration for schedule change requests must meet the following criteria:

- A change is needed to balance a class size.
- Seniors not enrolled in a course **REQUIRED** for graduation.
- Students scheduled in a course for which they already have credit (Ex: Summer School Credit)
- Student is enrolled in a course for which the student does not have the prerequisite.
- Students with incomplete schedules.
- Student has failed a course and needs to repeat the course.
- Student is removed from athletic program.

Complete this form and turn it into the KHS Counseling Office:

Due by the ninth day of the semester

\*\*\***FORM MUST BE COMPLETE IN ORDER TO BE PROCESSED**\*\*\*

Student ID Number	
Student Name	

Course Requested to Remove	Course Add	Alt. Course Add

---

By signing, I affirm that the information in the form is accurate and correct. I understand that this is simply a request, no schedule changes are guaranteed.

---

Student Signature      Date

---

Parent Signature      Date

---

Counselor Signature      Date

---

Principal Signature      Date

# KRUM HIGH SCHOOL

## Exiting a Program Form

To initiate a change out of a program, a conference must occur between the student, parent/guardian, and coach/director/sponsor prior to a schedule change.

Students must complete and turn in this form to their counselor for the schedule change to be processed..

Course(s)/Program(s) include:

- Athletics
- Band
- Color Guard
- Choir
- Yearbook
- Sports Medicine

Complete this form and turn it into the KHS Counseling Office:

\*\*\*FORM MUST BE COMPLETE IN ORDER TO BE PROCESSED\*\*\*

Student ID Number	
Student Name	

Program Requested to Exit	Course Add	Alt. Course Add

---

By signing, I affirm that the information in the form is accurate and correct. I understand that this is simply a request, no schedule changes are guaranteed.

---

Student Signature                      Date

---

Coach/Director/Sponsor Signature                      Date

---

Parent Signature                      Date

---

Counselor Signature                      Date



# KRUM HIGH SCHOOL

## Permission for Off Periods

All students are required to enroll in eight classes. Students on track to graduate and meet program guidelines may be eligible to be off one or two periods per school day. To be eligible for off periods, students must have the following:

**\*\*Meet CCMR designation\*\***

- Be classified a senior that has earned at least 20 credits
- Be classified a junior in approved dual credit courses
- Have parent permission
- Have transportation
- Comply with attendance policies and expectations
- Maintain passing grades

---

Definition of Off Periods - Arriving late or leaving school early. Students may be off 1st, 7th and/or 8th period only.

I give permission for my student, to have off periods during the 2024-25 school year. I am aware that my student must meet and maintain the eligibility requirements outlined above in order to receive off periods. I understand that my student may lose the right to have off periods at anytime if failure to comply with guidelines.

\_\_\_\_I grant permission for my student to schedule off periods for the 2024-25 school year at Krum High School.

\_\_\_\_I do not grant my student permission to schedule off periods for the 2024-25 school year at Krum High School.

\_\_\_\_\_  
Parent or Legal Guardian Signature

\_\_\_\_\_  
Print Name Here

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Print Student Name

\_\_\_\_\_  
Date

# KRUM HIGH SCHOOL

## Credit Check Sheet

Name \_\_\_\_\_

ID \_\_\_\_\_

Endorsement:

Arts & Humanities  
Multidisciplinary Studies

Business & Industry  
Public Service

STEM

<b>English 1</b>
<b>Algebra 1</b>
<b>Biology</b>
<b>WD Geography</b>

<b>English 2</b>
<b>Geometry</b>
<b>IPC/Chem/Physics</b>
<b>WD History</b>
<b>Fine Art</b>

<b>English 3</b>
<b>Algebra 2</b>
<b>3<sup>rd</sup> Science/</b>
<b>US History</b>
<b>PE/Sub</b>

<b>Adv Eng/</b>
<b>Math/</b>
<b>4<sup>th</sup> Science/</b>
<b>Gov.      Eco</b>

<b>LOTE</b>			
<b>1</b>			<b>2</b>

<b>Elective</b>							
<b>1</b>			<b>2</b>			<b>3</b>	
<b>5</b>			<b>6</b>			<b>7</b>	

STAAR/EOC

Test	Date Passed
Algebra 1	
Biology	
English 1	
English 2	
US History	

NOTES:

