



# **O'Donnell High School Course Catalog**



## Table of Contents

Table of Contents.....	1
Graduation Requirements.....	4
Endorsements.....	5
Performance Acknowledgements .....	7
High School Personal Graduation Plan Worksheet.....	8
Certifications .....	9
Dual Credit .....	9
Organizations.....	10
Course Number List.....	11

### **COURSE DESCRIPTIONS**

#### **CAREER AND TECHNICAL EDUCATION COURSES (CTE)**

##### ***Agriculture, Food & Natural Resources Cluster***

❖ Principles of Agriculture, Food & Natural Resources.....	12
❖ Livestock Production .....	12
❖ Agricultural Mechanics and Metal Technologies .....	12
❖ Agricultural Structures Design & Fabrication.....	13
❖ Advanced Animal Science.....	13
❖ Floral Design .....	13
❖ Agricultural Power Systems .....	13
❖ Small Animal Management .....	14
❖ Equine Science .....	14
❖ Wildlife, Fisheries, and Ecology Management.....	14

##### ***Manufacturing Cluster***

❖ Introduction to Welding.....	15
❖ Welding I .....	15

##### ***Arts, Audio/Visual Technology & Communications Cluster***

❖ Fashion Design I .....	15
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##### ***Business Management and Administration Cluster***

❖ Principles of Business, Marketing, and Finance .....	16
❖ Business Information Management I (BIM I) .....	16
❖ Business Information Management II (BIM II) .....	16
❖ Touch Systems Data Entry.....	16

##### ***Finance Cluster***

❖ Accounting I .....	17
❖ Accounting II .....	17
❖ Banking and Financial Services .....	17
❖ Financial Mathematics.....	17
❖ Statistics and Business Decision Making .....	18

**Human Services Cluster**

- ❖ Dollars and Sense ..... 18

**Education and Training Cluster**

- ❖ Principles of Education and Training ..... 18
- ❖ Human Growth and Development ..... 18
- ❖ Instructional Practices in Education and Training ..... 19

**Hospitality and Tourism Cluster**

- ❖ Principles of Hospitality and Tourism ..... 19
- ❖ Introduction to Culinary Arts ..... 19
- ❖ Culinary Arts ..... 19
- ❖ Food Science ..... 20

**NON-CAREER AND TECHNICAL EDUCATION COURSES (CTE)**

**English Language Arts**

- ❖ English I ..... 20
- ❖ Pre-AP English I ..... 20
- ❖ English II ..... 20
- ❖ Pre-AP English II ..... 21
- ❖ English III ..... 21
- ❖ English III Language and Composition AP ..... 21
- ❖ English IV ..... 21
- ❖ English IV Literature and Composition AP ..... 22
- ❖ College Prep English Language Arts ..... 22
- ❖ Journalism ..... 22
- ❖ Yearbook I ..... 22
- ❖ Yearbook II ..... 22

**Speech**

- ❖ Public Speaking – Dual Credit ..... 23

**Fine Arts**

- ❖ Band ..... 23
- ❖ Art ..... 23
- ❖ Floral Design ..... 24

**Languages Other than English**

- ❖ Spanish I and II ..... 24

**Mathematics**

- ❖ Algebra I ..... 24
- ❖ Geometry ..... 25
- ❖ Algebra II ..... 25
- ❖ Precalculus ..... 25
- ❖ Mathematical Models with Applications ..... 25
- ❖ College Prep Mathematics ..... 25
- ❖ Financial Mathematics ..... 26
- ❖ Statistics and Business Decision Making ..... 26

**Physical Education**

- ❖ Foundations of Personal Fitness ..... 26
- ❖ Individual Sports ..... 26
- ❖ Athletics ..... 27
- ❖ Band ..... 27

**Science**

- ❖ Integrated Physics & Chemistry (IPC) ..... 27
- ❖ Biology ..... 27

- ❖ Chemistry .....28
- ❖ Environmental Systems.....28
- ❖ Food Science .....28
- ❖ Advanced Animal Science.....28

**Social Studies**

- ❖ World Geography Studies .....29
- ❖ U.S. History Since Reconstruction .....29
- ❖ U.S. Government .....29
- ❖ Economics.....29
- ❖ Personal Financial Literacy .....30

**Electives**

- ❖ Senior Transitions .....30

# O'Donnell High School Graduation Plan

Upon meeting OISD Graduation Requirements, all OISD graduates will achieve Distinguished Achievement.

Every O'Donnell student will plan to earn at least one endorsement.

Every O'Donnell student will have the opportunity to earn Performance Acknowledgements.

## WHY EARN THE DISTINGUISHED LEVEL OF ACHIEVEMENT?

A STUDENT MAY EARN A DISTINGUISHED LEVEL OF ACHIEVEMENT BY COMPLETING ALGEBRA II AND ALL OTHER REQUIREMENTS FOR FOUNDATION AND ENDORSEMENT.

\*A student must earn distinguished level of achievement and be in the top 10% to be eligible for top 10% automatic admission.

\*A distinguished level of achievement may position you among those first in line for a TEXAS grant (must be financially qualified).

## GRADUATION REQUIREMENTS

FOUNDATION + ENDORSEMENT = 26 CREDITS

\*=Must pass STAAR End-of-Course Exam (EOC) for this course

### CORE REQUIREMENTS

ENGLISH (4 CREDITS): \*English I, \*English II, English III, English IV

MATHEMATICS (4 CREDITS): \*Algebra I, Algebra II, Geometry, & 1 Additional Math (Pre-Calculus or Statistics BDM) or (Math Models, or Financial Math—after Algebra II)

SCIENCE (4 CREDITS): \*Biology, 1 Lab-Based Science (Chemistry or IPC), & 2 Advanced Sciences (Chemistry, Env. Systems, Advanced Animal Science, or Food Science)

SOCIAL STUDIES: (3 CREDITS) World Geography, \*US History, Government/Economics

FOREIGN LANGUAGE (2 CREDITS): Spanish I, Spanish II

FINE ARTS (1 CREDIT): Band, Art, or Floral Design

PHYSICAL EDUCATION (1 CREDIT): Athletics, PE, or Marching Band (.5 credit each fall)

### ENDORSEMENT ELECTIVES

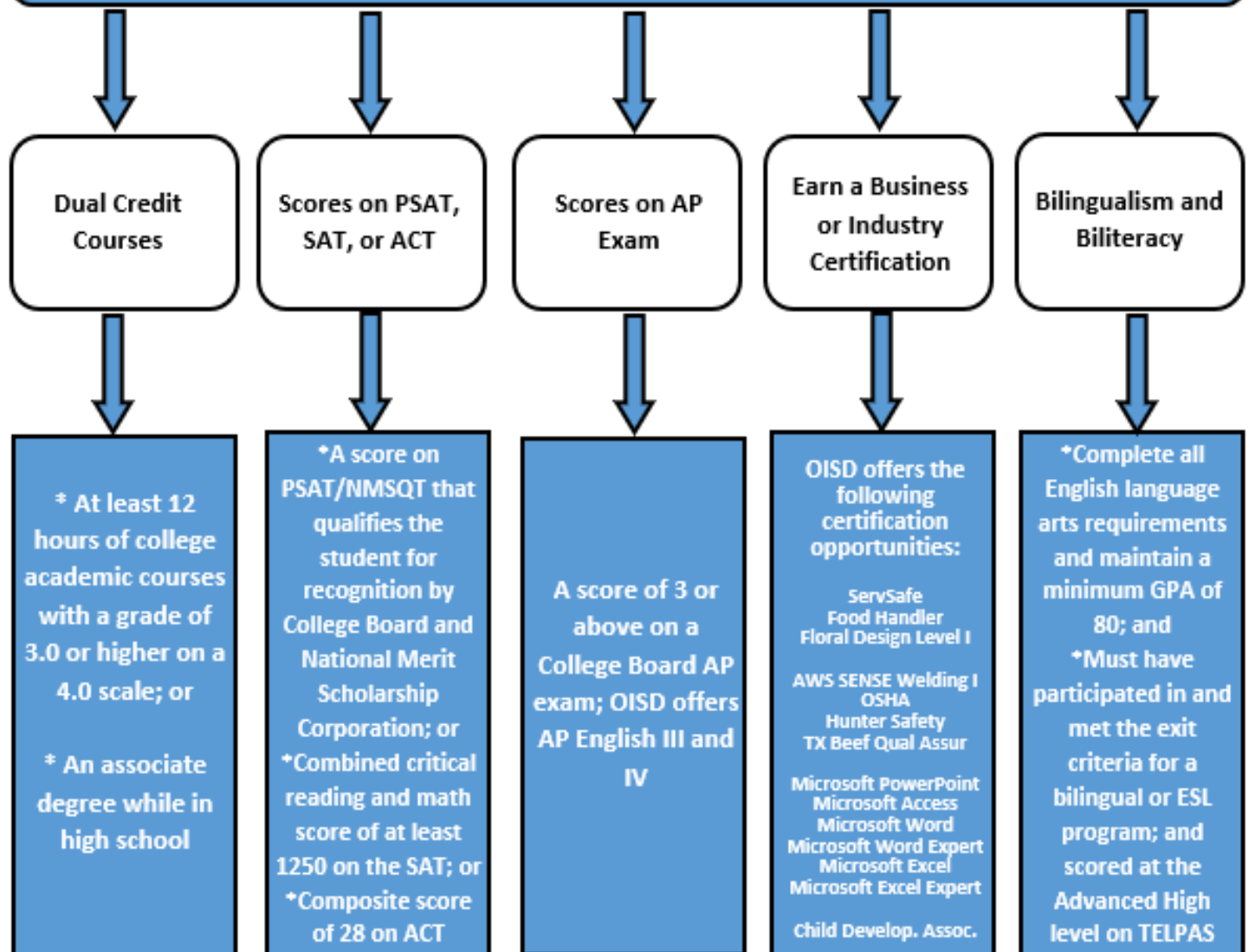
7 TOTAL ELECTIVES (may include some endorsement electives)

### OHS ENDORSEMENT OPTIONS:

Business & Industry, Arts & Humanities, Education & Training, Multidisciplinary

# How Can I Earn Performance Acknowledgments?

An O'Donnell ISD student may earn one or more performance acknowledgments for outstanding performance in/on one of the following:



## Did You Know...

**CREDIT** Students can earn college credit while still in high school by taking AP courses and earning high scores on the AP tests or by passing dual credit courses?

**ELIGIBLE** Students in the Top 10% of their class are eligible for automatic admission to a Texas public university (with Distinguished Achievement?)

**EARNINGS** Over their lifetime, high school graduates with a bachelor's degree earn 84% more than a high school graduate?

**TUITION** The highest ranking graduate receives a certificate to be used for a scholarship to cover tuition at any Texas public college or university? (one year)

For more information: House Bill 5 ([www.tea.state.tx.us/graduation-requirements/hb5.aspx](http://www.tea.state.tx.us/graduation-requirements/hb5.aspx))  
Compare College TX ([www.comparecollegetx.com](http://www.comparecollegetx.com))

# O'Donnell High School

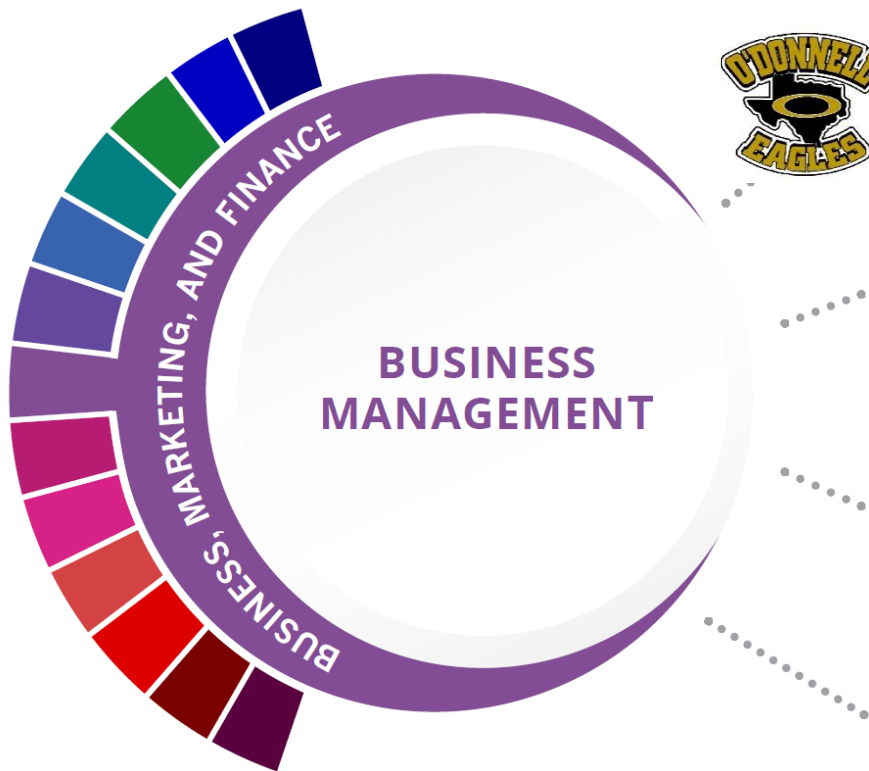
## *Career & Technology Education (CTE) Programs of Study*



**O'DONNELL P-TECH**

A HEAD START TO YOUR FUTURE.

Last Updated: March 9, 2022



<b>Level 1</b>	Principles of Business, Marketing, and Finance Business Information Management I
<b>Level 2</b>	Business Information Management II
<b>Level 3</b>	None
<b>Level 4</b>	Statistics and Business Decision Making

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE / LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
OHS: Microsoft Office Specialist or Expert- Excel	Certified Records Manager	Business Administration	Business Administration	Business Administration
OHS: Microsoft Office Specialist or Expert - Word	Certified Facility Manager	Business/Commerce	Business/Commerce	Business Management
Google Cloud Certified Professional – G-Suite	Certified Commercial Contracts Manager	Public Administration	Public Administration	Public Administration
Certified Associate in Project Management	Teradata 14 Basics/ Certified Technical Specialist	Business Management	Management Science	Management Science

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%
Operations Research Analysts	\$78,083	1,128	38%
Supervisors of Administrative Support Workers	\$57,616	14,982	20%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
<b>Exploration Activities:</b> Business Professional of America (BPA), Future Business Leaders of America (FBLA), and DECA	<b>Work Based Learning Activities:</b> Internship with local business or chamber of commerce

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

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



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.

Successful completion of the Business Management program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020





# O'DONNELL HS COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Business, Marketing, and Finance	13011200 (1 credit) Course #: 7063	None	9-11
Business Information Management I	13011400 (1 credit) Course #: 7050	None	9-12
Business Information Management II	13011500 (1 credit) Course #: 7051	PREQ: Business Information Management I	10-12
Statistics and Business Decision Making	13016900 (1 credit) Course #: 7301	PREQ: Algebra II	11-12
<b>OHS Industry-Based Certification Opportunities</b>		<b>OHS Value-Added Certification Opportunities</b>	
POS Industry-Based Certification: Microsoft Office Specialist or Expert-Excel	Offered in BIM II	Microsoft Office Specialist-PowerPoint	Offered in BIM II
POS Industry-Based Certification: Microsoft Office Specialist or Expert-Word	Offered in BIM II	Microsoft Office Specialist-Access	Offered in BIM II

FOR ADDITIONAL INFORMATION ON THE BUSINESS, MARKETING, AND FINANCE CAREER CLUSTER, PLEASE CONTACT:

[CTE@tea.texas.gov](mailto:CTE@tea.texas.gov)  
<https://tea.texas.gov/cte>

O'Donnell ISD offers career and technical education programs in Business & Industry, Education & Training, Animal Science, Business Management, and Accounting & Financial Services. Admission to these programs is based on student qualifications. It is the policy of O'Donnell 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. It is the policy of O'Donnell ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended. O'Donnell 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 high school office.



<b>Level 1</b>	Principles of Business, Marketing, and Finance Business Information Management I
<b>Level 2</b>	Accounting I
<b>Level 3</b>	Accounting II
<b>Level 4</b>	None

This Program of Study will also earn the student a Business & Industry Endorsement for high school Graduation.

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
QuickBooks Certified User	Certified Management Accountant	Real Estate	Accounting	Financial Accounting
<b>OHS: Microsoft Office Specialist or Expert - Excel</b>	Certified Internal Auditor	Financial, General	Financial, General	Business Administration
Certified Insurance Service Representative	Certified Income Specialist	Financial Planning and Services]	Financial Planning and Services]	Financial Planning
	Certified Public Accountant	Certified Income Specialist	Certified Income Specialist	

Occupations	Median Wage	Annual Openings	% Growth
Accountants and Auditors	\$71,469	14,436	22%
Loan Officers	\$68,598	2,419	19%
Personal Financial Advisors	\$86,965	1,861	52%
Administrative Service Managers	\$96,138	2,277	21%
Insurance Underwriters	\$66,206	594	14%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Business Professionals of America (BPA) Future Business Leaders of America (FBLA) DECA	Internship with local accounting firm Microsoft Office Specialist (MOS) certifications

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

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



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.

Successful completion of the Accounting & Financial Services program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020



# O'DONNELL HS COURSE INFORMATION

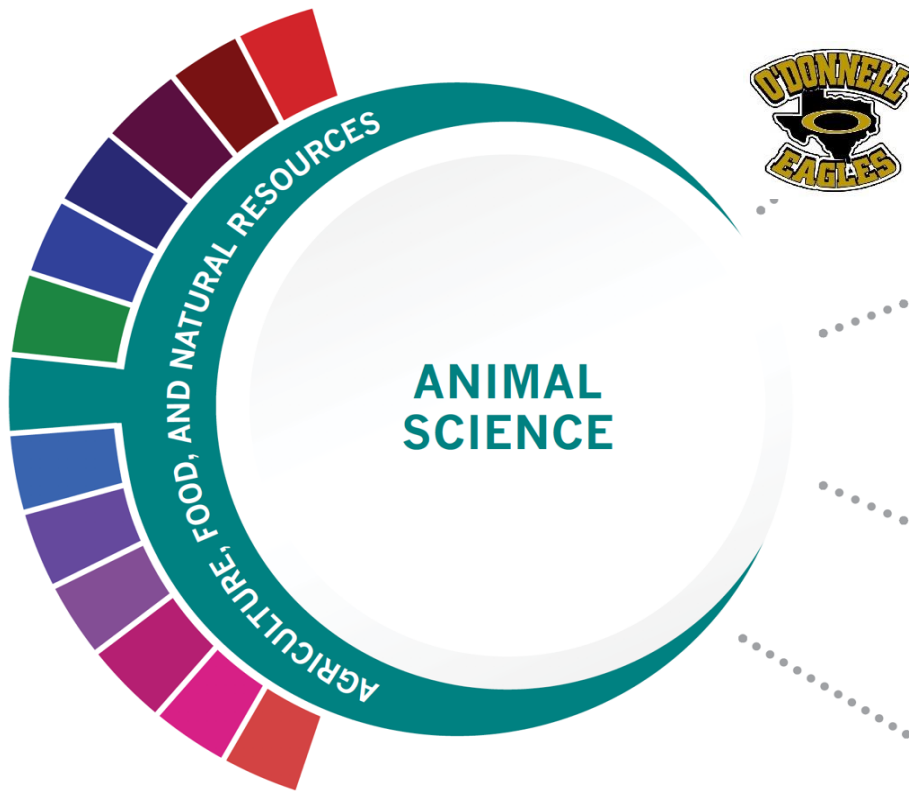
COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Business, Marketing, and Finance	13011200 (1 credit) Course #: 7063	None	9-11
Business Information Management I	13011400 (1 credit) Course #: 7050	None	9-12
Accounting I	13016600 (1 credit) Course #: 7054	None	10-12
Accounting II	13016700 (1 credit) Course #: 7055	PREQ: Accounting I	11-12
<b>OHS Industry-Based Certification Opportunities</b>		<b>OHS Value-Added Certification Opportunities</b>	
POS Industry-Based Certification: Microsoft Office Specialist or Expert-Excel	Offered in BIM II	Microsoft Office Specialist-PowerPoint	Offered in BIM II
Additional Industry-Based Certification not included in POS: Microsoft Office Specialist or Expert-Word	Offered in BIM II	Microsoft Office Specialist-Access	Offered in BIM II

FOR ADDITIONAL INFORMATION ON THE BUSINESS, MARKETING, AND FINANCE CAREER CLUSTER, PLEASE CONTACT:

[CTE@tea.texas.gov](mailto:CTE@tea.texas.gov)  
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about your rights or grievance procedures, contact the high school office.



<b>Level 1</b>	Principles of Agriculture, Food, and Natural Resources
<b>Level 2</b>	Small Animal Management Equine Science
<b>Level 3</b>	Livestock Production
<b>Level 4</b>	Advanced Animal Science

This Program of Study will also earn the student a Business & Industry Endorsement for high school graduation.

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Licensed Veterinary Technician	Pet Groomer	Food Science and Technology	Animal Sciences	Genetics
<b>OHS: Feedyard Technician in Cattle Care and Handling</b>	Veterinary Technician	Veterinary Studies	Agriculture	Veterinary Medicine
Certified Veterinary Assistant	Licensed Breeder	Biotechnology Laboratory Technician	Biology	Biological and Physical Sciences
		Biology Technician	Zoology/Animal Biology	Biological and Biomedical Sciences

Occupations	Median Wage	Annual Openings	% Growth
Animal Breeders	\$39,135	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%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
<b>Exploration Activities:</b>	<b>Work Based Learning Activities:</b>
Texas FFA	Agri-Science Fair 4H Volunteer at a local farm or veterinary office FFA Supervised Agriculture Experience (SAE)

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

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.



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.

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 - July 2020



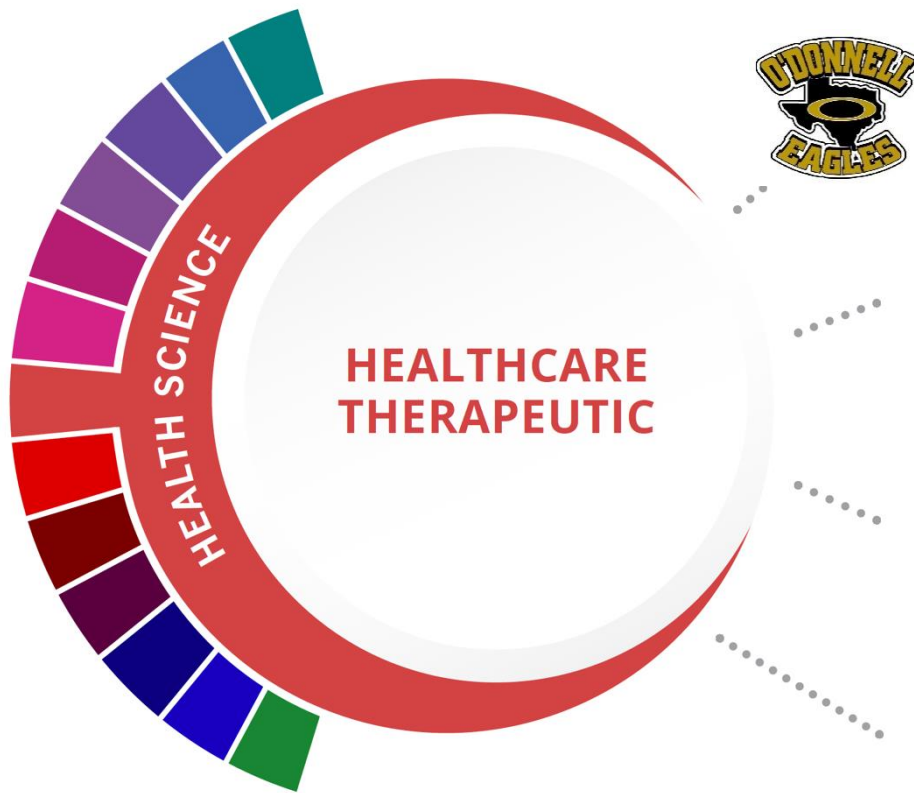
# O'DONNELL HS COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Agriculture, Food, and Natural Resources	13000200 (1 credit) Course #: 7000	Offered Every Year	9-12
Small Animal Management	13000400 (0.5 credit) Course #: 7006	Offered Even Years	10-12
Equine Science	13000500 (0.5 credit) Course #: 7016	Offered Even Years	10-12
Livestock Production	13000300 (1 credit) Course #: 7001	Offered Odd Years	10-12
Advanced Animal Science	13000700 (1 credit) Course #: 7015	PREQ: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production; offered every year	11-12
<b>OHS Industry-Based Certification Opportunities</b>		<b>OHS Value-Added Certification Opportunities</b>	
POS Industry-Based Certification: Feedyard Technician in Cattle Care and Handling	Offered Spring Semester in Advanced Animal Science	Hunter Safety	TBD when offered
Additional Industry-Based Certification not included in POS: Feedyard Technician in Machinery Operation, Repair & Maintenance	Offered Fall Semester in Advanced Animal Science		
Additional Industry-Based Certification not included in POS: OSHA 30 Hour General Industry	TBD when offered		

FOR ADDITIONAL INFORMATION ON THE AGRICULTURE, FOOD, AND NATURAL RESOURCE CAREER CLUSTER, PLEASE CONTACT: Les Hudson | Les.Hudson@tea.texas.gov

<https://tea.texas.gov/cte>

O'Donnell ISD offers career and technical education programs in Business & Industry, Education & Training, Animal Science, Business Management, and Accounting & Financial Services. Admission to these programs is based on student qualifications. It is the policy of O'Donnell 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. It is the policy of O'Donnell ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended. O'Donnell 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 high school office.



<b>Level 1</b>	Principles of Health Science
<b>Level 2</b>	Medical Terminology
<b>Level 3</b>	Anatomy and Physiology
<b>Level 4</b>	Health Science Theory/ Health Science Clinical

This Program of Study will also earn the student a Public Service for high school graduation.

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Registered Dental Assistant	Dental Assistant	Dental Hygienist	Dental Hygienist	Dentist
Certified Patient Care Technician	Surgical Technologist	Medical/Clinical Assistant		Physician Assistant
OHS: Certified Nurse Aide/Assistant	Medical Assistant			Family and General Practitioners
Pharmacy Technician	Pharmacy Aides			Pharmacist

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistants	\$29,598	8,862	30%
Surgical Technologists	\$45,032	1,150	20%
Dental Hygienists	\$73,507	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%
Dental Assistants	\$34,840	4,422	31%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
<b>Exploration Activities:</b> SkillsUSA Health Occupation Students of America (HOSA)	<b>Work Based Learning Activities:</b> Volunteer at a community wellness center, hospital, assisted living, or nursing home.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Healthcare Therapeutic program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.



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.

Successful completion of the Healthcare Therapeutic program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised - July 2020



# O'DONNELL HS COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Health Science	13020200 (1 credit) Course #: 7100	None	9-10
Medical Terminology	13020300 (1 credit) Course #: 7303	None	9-12
Anatomy and Physiology	13020600 (1 credit) Course #: 7304	PREQ: Biology and a second science credit	10-12
Health Science Theory/ Health Science Clinical	13020410 (2 credits) Course #: 7305	PREQ: Biology CREQ: Must be taken together in consecutive block	10-12
<b>OHS Industry-Based Certification Opportunities</b>		<b>OHS Value-Added Certification Opportunities</b>	
POS Industry-Based Certification: Certified Nurse Aide/Assistant (CNA)	Offered following Health Science Theory/Clinical	CPR Heart Saver	TBD when offered
Additional Industry-Based Certification not included in POS: OSHA 30 Hour General Industry	TBD when offered		
Additional Industry-Based Certification not included in POS: Emergency Medical Technician Basic (EMT)	Available following 18th birthday		

FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER, PLEASE CONTACT:

CTE@tea.texas.gov  
<https://tea.texas.gov/cte>

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**Level 1** Principles of Education and Training

**Level 2** None

**Level 3** Instructional Practices

**Level 4** Practicum in Education and Training

This Program of Study will also earn the student a Public Services Endorsement for high school graduation.

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
OHS: Educational Aide I	Texas Educator Certification Program	Teacher Education	Bilingual and Multilingual Education	Instruction and Learning
	Educational Instructional Technology	Education, General (or specific subject area)	Education, General (or specific subject area)	Educational Leadership and Administration, General
	Counselor, Professional	Special Education	Special Education	Special Education
	Athletic Trainer	Health and Physical Education/Fitness	Health and Physical Education/Fitness	Social and Philosophical Foundations of Education

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%



Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org. Successful completion of the Teaching and Training program of study will fulfill requirements of the Public Service Endorsement. Revised - July 2020

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.

**WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES**

Exploration Activities:	Work Based Learning Activities:
Texas Association of Future Educators, or Family, Career and Community Leaders of America	Teach a community education class; intern as a teaching assistant or tutor; serve as a camp counselor.



# O'DONNELL HS COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Education and Training	13014200 (1 credit) Course #: 7044	None	9-10
Instructional Practices	13014400 (2 credits) Co-enrolled in EDUC 1301 1st Semester; Course #: 7046 Co-enrolled in EDUC 2301 2nd Semester; Course #7047	None	11-12
Practicum in Education and Training	13014500 (2 credits) Course #: 7300	PREQ: Instructional Practices	12
<b>OHS Industry Certification Opportunities</b>			
<b>POS Industry Certification: Education Aide I</b>			

FOR ADDITIONAL INFORMATION ON THE EDUCATION AND TRAINING CAREER CLUSTER, PLEASE CONTACT:

CTE@tea.texas.gov

<https://tea.texas.gov/cte>

O'Donnell ISD offers career and technical education programs in Business & Industry, Education & Training, Animal Science, Business Management, and Accounting & Financial Services. Admission to these programs is based on student qualifications. It is the policy of O'Donnell 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. It is the policy of O'Donnell ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended. O'Donnell 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 high school office.

# O'Donnell High School

## Endorsements

### ARTS & HUMANITIES ENDORSEMENT

Pathway: Performing Arts Instrumental

- Band 1
- Band 2
- Band 3
- Band 4

### BUSINESS & INDUSTRY ENDORSEMENT

Pathway: Business Management

Choose at least 4 credits from the following:

- Principles of Business
- BIM I
- BIM II \*+
- Accounting I
- Accounting II \*+^
- Financial Mathematics +^
- Statistics & Business Decision-Making \*+^

### BUSINESS & INDUSTRY ENDORSEMENT

Pathway: Hospitality

Choose at least 4 credits from the following:

- Principles of Hospitality
- Intro to Culinary Arts
- Floral Design ^
- Culinary Arts (2 credits) \*
- Food Science (counts as Science Core Credit) \*+^

### BUSINESS & INDUSTRY ENDORSEMENT

Pathway: Agriculture & Structural Systems

Choose at least 4 credits from the following (including at least 1 credit from each group):

1. Principles of Agriculture
2. Ag Mechanics and Metal, Ag Structures, Ag Fabrication and Design, Livestock, Equine Sci./Small Animal Mgt. or Intro to Welding
3. Welding I (2 credits) \*, Ag Power Systems (2 credits) \*, or Adv. Animal Science \*+^

### BUSINESS & INDUSTRY ENDORSEMENT

Pathway: Business Hospitality

Choose at least 4 credits from the following (including at least 1 credit from each group):

1. Principles of Business or Principles of Hospitality
2. BIM I, BIM II \*+, Accounting I, or Accounting II \*+^
3. Intro to Culinary Arts, Culinary Arts (2 credits) \*, Floral Design ^, or Food Science \*+^

### BUSINESS & INDUSTRY ENDORSEMENT

Pathway: Agribusiness

Choose at least 4 credits from the following (including at least 1 credit from each group):

1. Principles of Business or Principles of Ag
2. BIM I, BIM II \*+, Accounting I, or Accounting II \*+^
3. Ag Mechanics and Metal, Ag Structures, Ag Fabrication and Design, Intro to Welding, Welding I \* (2 credits), Ag Power Systems \* (2 credits), Livestock Production, Equine Science/Small Animal Management, or Advanced Animal Science \*+^

**Note: Must have two courses in same cluster AND at least one advanced CTE course; fourth credit must be from the designated career cluster for that endorsement**

\*=advanced course

+ =course has required prerequisites

^=counts as a Core Credit

# Endorsements, Continued

## EDUCATION & TRAINING ENDORSEMENT

Pathway: Child Development

Dual Credit CDEC 1317 \*^

Dual Credit CDEC 2322 \*^

Dual Credit CDEC 2324 \*^

Instructional Practices Internship \*^

Home of Future Endorsement

## MULTIDISCIPLINARY ENDORSEMENT

Pathway: Multidisciplinary

TBD

Home of Future Endorsement

Home of Future Endorsement

Home of Future Endorsement

Note: Must have two courses in same cluster AND at least one advanced CTE course; fourth credit must be from the designated career cluster for that endorsement  
\*=advanced course  
+=course has required prerequisites  
^=counts as a Core Credit



# O'Donnell High School—Personal Graduation Plan Worksheet

## (Four Year Plan + Postsecondary Plan) - Class of 2018 and Beyond

Student Name: \_\_\_\_\_ Grade: \_\_\_\_\_ Date: \_\_\_\_\_

The Personal Graduation Plan Worksheet is intended to give you and your parent(s) a guide to use as you progress through high school. Review the plan each year to make sure you are taking the required courses for graduation. Make sure that you are taking the academic courses that support your postsecondary plans.

<p><b>Career Pathway:</b> _____</p> <p><b>Endorsement:</b>  <input type="checkbox"/> Arts and Humanities  <input type="checkbox"/> Business and Industry  <input type="checkbox"/> Public Services  <input type="checkbox"/> Multidisciplinary</p> <p><b>My Graduation Program:</b>          Distinguished Level of Achievement          Foundation _____ w/ Endorsement</p>	<p><b>State Assessments Required for Graduation:</b>  <i>Check all passed assessments</i>  <input type="checkbox"/> English I  <input type="checkbox"/> Algebra I  <input type="checkbox"/> US History  <input type="checkbox"/> English II  <input type="checkbox"/> Biology</p> <p><b>My Post High School Plans:</b> <i>(Check as many as apply)</i>  <input type="checkbox"/> Two-Year College  <input type="checkbox"/> Technical Training  <input type="checkbox"/> Four-Year College  <input type="checkbox"/> Employment  <input type="checkbox"/> Military  <input type="checkbox"/> Other</p>	<p><b>Performance Acknowledgements:</b>  <input type="checkbox"/> Dual Credit  <input type="checkbox"/> Bilingualism/Biliteracy  <input type="checkbox"/> AP Exams  <input type="checkbox"/> PSAT/SAT/ACT</p> <p><b>Certifications:</b></p>
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**The Distinguished Level of Achievement (DLA) opens a world of educational and employment opportunities for you beyond high school. The DLA will:** 1) Allow you to compete for the Top 10% automatic admission eligibility at any Texas public university; 2) Position you among those first in line for a TEXAS Grant (must be financially qualified) to help pay for university tuition and fees; and 3) Ensure you are a more competitive applicant at the most selective colleges and universities.

DISCIPLINE	HS CREDITS EARNED IN MIDDLE SCHOOL	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE	NOTES
ENGLISH (4)		ENGLISH I OR PRE-AP	ENGLISH II OR PRE-AP	ENGLISH III OR AP	ENGLISH IV OR AP	
MATH (4)		MATH I OR PRE-AP	GEOMETRY	ALGEBRA II	PRE-CAL OR MATH MOD	
SCIENCE (4)		BIOLOGY	PHYSICS	CHEMISTRY	ADVANCED SCIENCE	
SOCIAL STUDIES (3)		WORLD GEOGRAPHY		US HISTORY	GOVERNMENT/ECONOMICS	
LANGUAGES OTHER THAN ENGLISH (2)	SPANISH:	SPANISH I				
FINE ARTS (1)						
PHYSICAL EDUCATION (1)						CCMR Point
ENDORSEMENT ELECTIVE						TSI Reading
ENDORSEMENT ELECTIVE						TSI Writing
OTHER ELECTIVE						TSI Math

SIGN UP FOR EIGHT (8) CLASSES EACH YEAR.



# Scheduling Request Sheets

<p>English (4 Credits Required)</p> <input type="checkbox"/> 1001 English I Regular (1) <input type="checkbox"/> 1002 English II Regular (1) <input type="checkbox"/> 1003 English III Regular (1) <input type="checkbox"/> 1006 English IV Regular (1)	<p>Math (4 Credits Required)</p> <input type="checkbox"/> 2000 Algebra I (1) <input type="checkbox"/> 2001 Geometry (1) <input type="checkbox"/> 2002 Algebra II (1) <input type="checkbox"/> 2004 Precalculus or 7301 Statistics (1) *Algebra I will have an EOC.	<p>Science (4 Credits Required)</p> <input type="checkbox"/> 3000 Biology (1) <input type="checkbox"/> 3004 IPC (1) <input type="checkbox"/> 3002 Chemistry (1) <input type="checkbox"/> 7015 Adv. Ani. Sci. or 7304 Anatomy or 7038 Food Sci. (1) *Biology will have an EOC.	<p>Social Studies (3 Credits Required)</p> <input type="checkbox"/> 4000 W. Geography (1) <input type="checkbox"/> 4002 US History (1) or <input type="checkbox"/> 4005/4006 Dual Credit US History 1301/1302 (1) <input type="checkbox"/> 4003 Government (0.5) <input type="checkbox"/> 4004 Economics (0.5) *US History will have an EOC.
<p>Physical Education (1 Credit Required)</p> <input type="checkbox"/> Band (.5 each fall) <input type="checkbox"/> Athletics (1) <input type="checkbox"/> 5001 Lifetime Fitness (1)	<p>Foreign Language (2 Credits Required)</p> <input type="checkbox"/> 6000 Spanish I (1) <input type="checkbox"/> 6001 Spanish II (1)	<p>Fine Arts (1 Credit Required)</p> <input type="checkbox"/> 6020 Art I (1) <input type="checkbox"/> 6021 Art II (1) <input type="checkbox"/> 6031 Band (1) <input type="checkbox"/> 7037 Floral Design (1)	<p>Additional Dual Credit Options</p> <input type="checkbox"/> Online Course: <input type="checkbox"/> 1039 Face-to-Face Public Speaking 1315 (.5) <input type="checkbox"/> 4013 Face-to-Face Psychology 2301 (.5) *May require passing TSIA2
<p>If you will not be taking Athletics, please also rate the following options (1-4):</p> <p>___ 7050 BIM I (1)          ___ 7051 BIM II (1)          ___ 7037 Floral Design (1)          ___ Dual Credit</p>	<p>Additional Electives:</p> <p>___ 7066 Law Enforcement I (1)          ___ 1031 Journalism (1)          ___ 1035 Yearbook I (1)          ___ 4012 Personal Financial Literacy (.5)          ___ 6010 Senior Transitions (1)          ___ 8007 Senior PALS (1)          ___ 2050 Senior CP Math (1)          ___ 1050 Senior CP ELA (1)</p>	<p>Alternates:</p> <p>1. _____          2. _____</p> <p>Notes: _____</p>	<p>Plans/Goals:</p> <p>_____</p> <p>Favorite Class: _____</p>

## Core Requirements

<p>Business &amp; Industry: Accounting &amp; Financial Services</p> <input type="checkbox"/> 7063 Principles of Business <input type="checkbox"/> 7050 BIM I <input type="checkbox"/> 7051 BIM II <input type="checkbox"/> 7301 Statistics Certification: MOS; Microsoft Word Expert (Word 2019) or Microsoft Excel Expert (Excel 2019) or Microsoft Access Expert (Access 2019)	<p>Business &amp; Industry: Business Management</p> <input type="checkbox"/> 7063 Principles of Business <input type="checkbox"/> 7050 BIM I <input type="checkbox"/> 7051 BIM II <input type="checkbox"/> 7301 Statistics Certification: MOS; Microsoft Word Expert (Word 2019) or Microsoft Excel Expert (Excel 2019) or Microsoft Access Expert (Access 2019)	<p>Public Services: Diagnostic &amp; Therapeutic Services</p> <input type="checkbox"/> 7100 Principles of Health Science <input type="checkbox"/> 7303 Medical Terminology <input type="checkbox"/> 7304 Anatomy & Physiology <input type="checkbox"/> 7305 Health Science Theory/Clinical-Double Block <input type="checkbox"/> Certification: Patient Care Technician	<p>Public Services: Diagnostic &amp; Therapeutic Services</p> <input type="checkbox"/> 7106 Health Science Theory <input type="checkbox"/> 7303 Medical Terminology <input type="checkbox"/> 7304 Anatomy & Physiology <input type="checkbox"/> 7305 Health Science Theory/Clinical-Double Block <input type="checkbox"/> Certification: Patient Care Technician
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## Endorsements

<p>Arts &amp; Humanities: Band</p> <input type="checkbox"/> 6031 Fr. Band 2 <input type="checkbox"/> 6032 So. Band 3 <input type="checkbox"/> 6033 Jr. Band 4 <input type="checkbox"/> 6034 Sr. Band	<p>Arts &amp; Humanities: Art and Band (Choose any four)</p> <input type="checkbox"/> Year 1 Band: _____ <input type="checkbox"/> Year 2 Band: _____ <input type="checkbox"/> Year 3 Band: _____ <input type="checkbox"/> 6020 Art I <input type="checkbox"/> 6021 Art II	<p>Non-CTE Programs of Study (4 credits required from one program of study)</p> <p>Multidisciplinary (Choose any four):</p> <input type="checkbox"/> 7001 Livestock <input type="checkbox"/> 7015 Adv. Animal Science <input type="checkbox"/> 7055 Accounting II <input type="checkbox"/> 7301 Statistics <input type="checkbox"/> 7305 Theory/Clinical Block <input type="checkbox"/> 7304 Anatomy & Physiology <input type="checkbox"/> XXXX Health Science Practicum <input type="checkbox"/> 7038 Food Science <input type="checkbox"/> 7037 Floral Design <input type="checkbox"/> 7099 Ag Struct. Des. & Fab	<p>Dual Credit Selections:</p> <p>AWS SENSE Level 1: Entry Level (IBC)          Feedyard Tech in Machinery Operating, Repair and Maintenance (IBC)          Floral (IBC)          ServSafe Manager (IBC)          Food Handler</p>
<p>CCMR Point? _____</p>	<p>Military Interest? _____</p>	<p>ACT/SAT? _____</p>	<p>TSIA2? _____</p>
<p>Failed EOC/STAAR? _____</p>	<p>Failed Classes? _____</p>	<p>College Days? _____</p>	<p>Failed EOC/STAAR? _____</p>
<p>SPED/504? _____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>

Every effort will be made to schedule your choices. However, due to conflicts and course availability, this may not be possible. Use care in selecting your classes; it may not be possible to change your choices after school begins.

Parent Signature: \_\_\_\_\_

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

Office Use Only: Date returned \_\_\_\_\_ Entered in TXEIS \_\_\_\_\_

PLEASE RETURN TO MRS. WHITE. THANK YOU!

## **CERTIFICATIONS**

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O'Donnell High School offers the following certification opportunities:

ServSafe  
Food Handler  
Floral Design Level I

AWS SENSE Welding Level I  
Elanco Feedyard Tech in Cattle Care & Handling  
Elanco Feedyard Tech in Machinery Operation, Repair, and Maintenance

MOS Specialist: Microsoft Excel Expert (Excel 2019)  
Microsoft Access Expert (Access 2019)  
MOS : Microsoft Word Expert (Word 2019)

Patient Care Technician

## **DUAL CREDIT**

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O'Donnell High School offers dual credit and concurrent enrollment courses through South Plains College (SPC). Students must meet both high school and college requirements to receive credit. Dual credit courses are available to students grades 9-12 who have met the TSI testing requirements for each class.

OHS students may qualify tuition and books to be paid for through a grant. See your counselor with questions.

**Common O'Donnell ISD Dual Credit Equivalents**  
 (Other courses subject to administrative approval.)

SPC COURSE #	SPC COURSE TITLE	OHS COURSE #	OHS COURSE EQUIVALENT	OHS CREDITS
ACCT 2301	Princ of Financial Acc	7073	Accounting II	1
AGRI 1415	Horticulture	7014	Horticultural Science	½
AGRI 2321	Livestock	7021	Livestock Production	½
ARTS 1301	Art Appreciation	6025	Art Appreciation	½
BCIS 1305	Business Comp Apps	7067	BIM I	1
CRIM 1301	Intro to Crim Justice	7065	Law Enforcement I	½
CRIM 1306	Court Sys & Practices	7071	Law Enforcement II	½
EDUC 1300	Learning Frameworks	TBD	Special Topics (Transitions)	½
*EDUC 1301	Intro to Teaching Prof	7046	Instructional Practices	1
*EDUC 2301	Intro to Special Pops	7047	Instructional Practices	1
ECON 2301	Macroeconomics	4008	Economics	½
ECON 2302	Microeconomics	4014	Economics	½
ENGL 1301	Composition I	1104; 1007	English III or IV (III= 1004) (IV=1007)	½
ENGL 1302	Composition II	1005; 1008	English III or IV (III=1005) (IV=1008)	½
GOVT 2305	Federal Government	4007	US Government	½
GOVT 2306	Texas Government	4019	Soc. Studies Adv. Studies	½
HECO 1322	Personal Nutrition	7059	Lifetime Nutrition & Wellness	½
HIST 1301	US History I	4010	US History as	½
HIST 1302	US History II	4011	US History as	½
HITT 1305	Medical Terminology I	7102	Medical Terminology	1
HUMA 1301	Intro to Humanities	1045	Humanities	½
HUMA 2323	World Cultures	4022	World History Studies	½
KINE 1304	Fitness & Wellness	5003	Lifetime Fitness & Wellness	½
MATH 1314	College Algebra	2017/2018	Independ Study Math Full Year	1
MUSI 1306	Music Appreciation	6038	Music Appreciation	½
*PSYC 2301	General Psychology	4013	Psychology	½
PSYC 2308	Child Psychology	7068	Child Development	½
SOCI 2301	Marriage & Family	7069	Family & Community Services	½
SOCI 1301	Intro to Sociology	4018	Sociology	½
*SPCH 1315	Public Speaking	1039	Public Speaking	½

\* = may be taught face-to-face on high school campus

**ORGANIZATIONS**

O'Donnell ISD offers several organizations that will allow you to explore and expand your interests, as well as establish friendships and support school pride and climate. School involvement may also help you be more competitive when applying for colleges and scholarships.

- ❖ Family, Career and Community Leaders of America (FCCLA)
- ❖ Future Farmers of America (FFA)
- ❖ Texas Association of Future Educators (TAFE)
- ❖ National Honor Society (NHS)
- ❖ Student Council
- ❖ UIL Competition (Academic, Athletics, Band)

## COURSE NUMBER QUICK INDEX

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### **Ag Department**

7000 Principles of Ag, Food, & Natural Resources  
7001 Livestock Production  
7008 Agricultural Mechanics and Metal Technologies  
7009 Agricultural Structures Design & Fabrication  
7015 Advanced Animal Science  
7006 Small Animal Management  
7016 Equine Science  
7020 Introduction to Welding  
7019 Welding I

### **Diagnostic & Therapeutic Services**

7100 Principles of Health Science  
7303 Medical Terminology  
7304 Anatomy & Physiology  
7305 Health Science Theory/Clinical Double Block

### **Family and Consumer Sciences Department**

7039 Principles of Hospitality and Tourism  
7034 Introduction to Culinary Arts  
7042 Culinary Arts  
7038 Food Science  
7037 Floral Design

### **Business Department**

7063 Principles of Business, Marketing and Finance  
7050 Business Information Management I (BIM I)  
7051 Business Information Management II (BIM II)  
7060 Touch Systems Data Entry  
7054 Accounting I  
7055 Accounting II  
7064 Banking and Financial Services  
7103 Dollars and Sense

### **Education Department**

7044 Principles of Education and Training  
7046 Instructional Practices in Education & Training  
7047 Instructional Practices in Education & Training

### **English Department**

1001 English I  
1002 English II  
1003 English III  
1006 English IV  
1050 College Preparatory English Language Arts  
1031 Journalism  
1035 Yearbook I  
1036 Yearbook II

### **Speech Department**

1039 Public Speaking Dual Credit

### **Fine Arts Department**

6030 Band I  
6031 Band II  
6032 Band III  
6033 Band IV  
6034 Band 5//Music  
6020 Art I  
6021 Art II

### **Languages Other Than English Department**

6000 Spanish I  
6001 Spanish II

### **Mathematics Department**

2000 Algebra I  
2001 Geometry  
2002 Algebra II  
2004 Precalculus  
2003 Math Models with Applications  
2050 College Preparatory Mathematics  
2010 Financial Mathematics  
7062 Statistics and Business Decision Making

### **Physical Education Department**

5001 Lifetime Fitness  
5004 Athletics I  
5005 Athletics II  
5006 Athletics III  
5007 Athletics IV

### **Science Department**

3004 Integrated Physics & Chemistry (IPC)  
3000 Biology  
3002 Chemistry  
3001 Environmental Systems  
7015 Advanced Animal Science  
7304 Anatomy & Physiology  
7038 Food Science

### **Social Studies Department**

4000 World Geography Studies  
4002 US History Since Reconstruction  
4003 US Government  
4004 Economics  
4012 Personal Financial Literacy

### **Additional Electives**

6010 Senior Transitions  
7066 Law Enforcement



# COURSE DESCRIPTIONS

## CAREER AND TECHNICAL EDUCATION COURSES (CTE)

### AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER

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#### **7000 Principles of Agriculture, Food and Natural Resources**

**Credit: 1**

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practice, and expectations.

*Grades: 9-12*

*Prerequisite: None*

*Certification: Hunter Safety (does not qualify for CCMR recognition)*

*Shop: 30%*

#### **7001 Livestock Production**

**Credit: 1**

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge related to animal systems and the workplace and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include, but are not limited to beef cattle, dairy cattle, swine, sheep, goats and poultry.

*Grades: 10-12*

*Prerequisite: None*

*Recommended: Biology, Principles of AFNR*

*Certification: Texas Beef Quality Assurance (Perkins qualified; does not qualify for CCMR recognition)*

*Shop: 0%*

#### **7008 Agricultural Mechanics and Metal Technologies**

**Credit: 1**

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. The main focus of this course is to teach students welding techniques along with other agricultural trades. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

*Grades: 10-12*

*Prerequisite: None*

*Recommended: Principles of AFNR*

*Certification: AWS SENSE Welding Level 1 (qualifies for CCMR recognition; Perkins qualified); OSHA (does not qualify for CCMR recognition)*

*Shop:*

**7009 Agricultural Structures Design & Fabrication**  
**(previously Agricultural Facilities Design & Fabrication)**

**Credit: 1**

In this course, students attain knowledge and skills related to agricultural facilities design and fabrication to be prepared for careers in mechanized agriculture and technical systems. This course focuses on the construction of agriculture and wood structures.

*Grades: 10-12*

*Prerequisite: None*

*Certification: AWS SENSE Welding Level 1 (qualifies for CCMR recognition; Perkins qualified); OSHA (does not qualify for CCMR recognition)*

*Shop:*

*Note: This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

**7015 Advanced Animal Science**

**Credit: 1**

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge related to animal science and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production.

*Grades: 10-12*

*Prerequisite: Biology, Chemistry or IPC, Algebra and Geometry, and either Small Animals, Livestock, or Equine*

*Lab: Students must meet the 40% laboratory and fieldwork requirement.*

*Shop: 0%*

*Certification: None*

*Note: This course meets the state graduation requirements for an advanced fourth science. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

**7037 Floral Design**  
**(previously Principles and Elements of Floral Design)**

**Credit: 1**

To be prepared for careers in floral design, students need to attain academic skills and knowledge related to horticultural systems and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises.

*Grades: 11-12*

*Prerequisites: None*

*Class Size Limit: 10*

*Lab: 50%*

*Certification: Floral Design Certification, Level One 1 (qualifies for CCMR recognition; Perkins qualified)*

*Note: This course meets the state graduation requirements for one credit in fine arts.*

**7010 Agricultural Power Systems**

**Credit: 2**

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge related to horticultural systems and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery.

*Grades: 10-12*

*Prerequisites: None*

*Shop:*

*Certification: AWS SENSE Welding Level 1 (qualifies for CCMR recognition; Perkins qualified); OSHA (does not qualify for CCMR recognition)*

*Note: This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

**7006 Small Animal Management**

**Credit: ½**

To be prepared for careers in the field of animal science, students need to 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 expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

*Grade: 10-12*

*Prerequisite: None*

*Shop:*

*Certification: None*

**7016 Equine Science**

**Credit: ½**

In this course, 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. The student will learn about issues affecting the equine industry.

*Grade: 10-12*

*Prerequisite: None*

*Shop:*

*Certification: None*

**7017 Wildlife, Fisheries, and Ecology Management**

**Credit: 1**

In this course, students will examine the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices.

*Grade: 10-12*

*Prerequisite: None*

*Shop: 0%*

*Certification: Hunter Safety (does not qualify for CCMR recognition)*

## **MANUFACTURING CLUSTER**

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### **7020 Introduction to Welding**

**Credit: 1**

Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development.

*Grade: 10-12*

*Prerequisite: None*

*Shop:*

*Certification: AWS SENSE Welding Level 1 (qualifies for CCMR recognition; Perkins qualified); OSHA (does not qualify for CCMR recognition)*

### **7019 Welding I**

**Credit: 2**

Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

*Grade: 10-12*

*Prerequisite: None*

*Shop:*

*Certification: AWS SENSE Welding Level 1 (qualifies for CCMR recognition; Perkins qualified); OSHA (does not qualify for CCMR recognition)*

## **ARTS, AUDIO/VISUAL TECHNOLOGY & COMMUNICATIONS CLUSTER**

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### **7033 Fashion Design I**

**Credit: 1**

Careers in fashion span all aspects of the textile and apparel industries. 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 fashion and the textile and apparel industries.

*Grades: 10-12*

*Prerequisites: None*

*Certification: None*

## **BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER**

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### **7063 Principles of Business, Marketing, and Finance**

**Credit: 1**

In this course, 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. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

*Grades: 9-12*

*Prerequisites: None*

*Certification: Microsoft PowerPoint; Microsoft Access (does not qualify for CCMR)*

### **7050 Business Information Management I (BIM I)**

**Credit: 1**

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.

*Grades: 9-12*

*Prerequisites: None*

*Certification: Microsoft Word; Microsoft Word Expert (qualifies for CCMR recognition)*

*Note: This is an articulated course.*

### **7051 Business Information Management II (BIM II)**

**Credit: 1**

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 complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

*Grades: 10-12*

*Prerequisite: Business Information Management I*

*Certification: Microsoft Excel; Microsoft Excel Expert (qualifies for CCMR recognition)*

*Note: This is an articulated course. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

### **7060 Touch Systems Data Entry**

**Credit: ½**

In this course, students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communications, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents.

*Grade: 9-10*

*Prerequisite: None*

*Certification: None*

## FINANCE CLUSTER

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### **7054 Accounting I**

**Credit: 1**

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making.

*Grade: 10-12*

*Prerequisite: None*

*Certification: None*

*Note: This is an articulated course.*

### **7055 Accounting II**

**Credit: 1**

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making.

*Grade: 11-12*

*Prerequisite: Accounting I*

*Certification: Not Yet Available - QuickBooks Certified User (qualifies for CCMR recognition)*

*Note: This course satisfies a high school mathematics graduation requirement. This is an articulated course. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

### **7064 Banking and Financial Services**

**Credit: ½**

Students develop knowledge and skills in the economical, financial, technological, international, social, and ethical aspects of banking to become competent consumers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

*Grade: 10-12*

*Prerequisite: None*

*Certification: None*

### **2010 Financial Mathematics**

**Credit: 1**

Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a 3 solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language.

*Grade: 10-12*

*Prerequisite: Algebra 1*

*Certification: None*

*Note: This course satisfies a high school mathematics graduation requirement. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

**7062 Statistics and Business Decision Making****Credit: 1**

When possible, students will apply mathematics to problems arising in everyday life, society, and the workplace. Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language.

*Grade: 11-12**Prerequisite: Algebra 2**Certification: None**Note: This course satisfies a high school mathematics graduation requirement. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

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**HUMAN SERVICES CLUSTER**

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**7103 Dollars and Sense****Credit: ½**

This course focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers.

*Grade: 9-12**Prerequisite: None**Certification: None*

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**EDUCATION AND TRAINING CLUSTER**

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**7044 Principles of Education and Training****Credit: 1**

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.

*Grade: 9-12**Prerequisite: None**Membership: Texas Association of Future Educators**Dual Credit: Corresponds with CDEC 1317 Child Development Associate I**Certification: As part of the Education Endorsement, this course is one of three required courses to sit for the Child Development Associate exam. Qualifies for CCMR recognition.***7043 Human Growth and Development****Credit: 1**

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.

*Grade: 9-12**Prerequisite: None**Membership: Texas Association of Future Educators**Dual Credit: Corresponds with CDEC 2322 Child Development Associate II*

*Certification: As part of the Education Endorsement, this course is one of three required courses to sit for the Child Development Associate exam. Qualifies for CCMR recognition.*

### **7045 Instructional Practices in Education and Training**

**Credit: 1-2**

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. This class will give opportunity for the student to earn the required 480 hours with 3-5 year-olds for the certification exam.

*Grade: 9-12*

*Prerequisite: None*

*Membership: Texas Association of Future Educators*

*Dual Credit: Corresponds with CDEC 2324 Child Development Associate III*

*Certification: As part of the Education Endorsement, this course is one of three required courses to sit for the Child Development Associate exam. Qualifies for CCMR recognition.*

## **HOSPITALITY AND TOURISM CLUSTER**

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### **7039 Principles of Hospitality and Tourism**

**Credit: 1**

The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry.

*Grade: 9-12*

*Prerequisite: Food Handler (does not qualify for CCMR recognition)*

*Lab: None*

### **7034 Introduction to Culinary Arts**

**Credit: 1**

This course 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.

*Grade: 9-12*

*Certification: Food Handler (does not qualify for CCMR recognition)*

*Lab: 20% (includes food preparation)*

### **7042 Culinary Arts**

**Credit: 2**

This course is designed to offer skills and hands-on experience for the student interested in the food service industry. The course includes the study of health laws, sanitation, food technology, food preparation, merchandising operations, salesmanship, and service-related etiquette.

*Grade: 10-12*

*Prerequisite: None*

*Certification: Food Handler (does not qualify for CCMR recognition)*

*Lab: 20% (includes food preparation)*



**7038 Food Science****Credit: 1**

382060 Food Science Credit: 1 In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. This course may be used to satisfy a science credit required for graduation.

*Grade: 11-12*

*Prerequisite: Three units of science including chemistry and biology*

*Certification: Food Handler (does not qualify for CCMR recognition)*

*Lab: Students must meet the 40% laboratory and fieldwork requirement. (Does not include food preparation)*

*Note: This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

**NON-CAREER AND TECHNICAL EDUCATION COURSES (CTE)****ENGLISH LANGUAGE ARTS**

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**1001 English I****Credit: 1**

Students practice all forms of writing in this course. An emphasis is placed on organizing logical arguments with clearly expressed related definitions, thesis, and evidence. Students write to persuade, to report and to describe. English I students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students interpret the possible influences of the historical context on a literary work.

*Grade: 9*

*Prerequisite: None*

**1016 English I Pre-AP****Credit: 1**

This course prepares students for work in the Advanced Placement program by providing in-depth studies of literary units by genre, including poetry, drama, nonfiction, short stories, research, and novels. Students will engage in critical reading and will write in a variety of forms, with special emphasis on literary units by genre, including poetry, drama, nonfiction, short stories, research, and novels.

*Grade: 9*

*Prerequisite: None*

*Note: This is a weighted course.*

**1002 English II****Credit: 1**

Students practice all forms of writing in this course. An emphasis is placed on persuasive forms of writing such as logical arguments, expressions of opinion, and personal forms of writing. These personal forms of writing may include a response to literature, a reflective essay, or an autobiographical narrative. English II students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students learn literary

forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work.

*Grade: 10*

*Prerequisite: English I*

### **1022 English II Pre-AP**

**Credit: 1**

This course prepares students for work in the Advanced Placement program by providing in-depth studies of thematic literary units that combine poetry, drama, nonfiction, short stories, research, and novels. Students will engage in critical reading and will write in a variety of forms, with special emphasis on literary analysis and persuasive essays.

*Grade: 10*

*Prerequisite: English I*

*Recommended: English I Pre-AP*

*Note: This is a weighted course.*

### **1003 English III**

**Credit: 1**

Students practice all forms of writing in this course. An emphasis is placed on business forms of writing such as the report, the business memo, the narrative of a procedure, the summary or abstract, and the resume. English III students read extensively in multiple genres from American literature and other world literature. Periods from American literature may include the pre-colonial period, colonial and revolutionary periods, romanticism and idealism, realism and naturalism, early 20th century, and late 20th century. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work.

*Grade: 11*

*Prerequisite: English II*

### **1023 English III Language and Composition AP**

**Credit: 1**

This course prepares students for the English Language and Composition Advanced Placement examination by engaging students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

*Grade: 11-12*

*Prerequisite: English II*

*Recommended: English II Pre-AP*

*Note: This is a weighted course.*

### **1006 English IV**

**Credit: 1**

This course further expands the concepts and skills learned in earlier English classes. The focus of study will be on commonly recognized patterns of organization, precision in meaning through language and rhetorical choices, analysis of ideas, and use of sophisticated and precise word choices. Students will read and recognize major authors, periods, forms and works in British literature. Focus will be on recurring themes, devices of propaganda, analysis of the presentation of ideas including forms of logical reasoning and techniques of persuasive language. Students will understand the application of abstract concepts and read and think critically.

*Grade: 11*

*Prerequisite: English II*

**1024 English IV Literature and Composition AP****Credit: 1**

This course is designed to prepare students for the English Literature and Composition Advanced Placement examination by engaging students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes as well as such elements as the use of figurative language, imagery, symbolism, and tone. The course will include intensive study of representative works from various genres and periods. Writing assignments will focus on the critical analysis of literature and will include expository, analytical, and argumentative essays as well as well-constructed, creative writing assignments. Emphasis will be placed on helping students develop stylistic maturity.

*Grades: 11-12*

*Prerequisite: English II*

*Recommended: English II Pre-AP*

*Note: This is a weighted course.*

**1050 College Preparatory English Language Arts****Credit: 1**

This course focuses on achieving college readiness by learning reading and writing strategies based on competencies designed in partnership with institutions of higher education. Upon successfully completing this course, the student will be considered college ready in reading and writing if they enroll in a non-remedial English course at South Plains College within the first two years following graduation.

*Grades: 12*

*Prerequisite: Counselor approval*

## JOURNALISM

**1031 Journalism****Credit: 1**

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.

*Grades: 10-12*

*Prerequisite: None*

*Note: The yearbook is produced in this class. The class size limit is 12.*

**1035 Yearbook 1; 1036 Yearbook 2****Credit: 1**

Students enrolled in Advanced Journalism (Yearbook I, II) communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In addition, students will apply journalistic ethics and standards. Published works 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 will refine and enhance their

journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

*Grades: 10-12*

*Prerequisite: Journalism*

*Note: The yearbook is produced in this class. The class size limit is 12.*

## **SPEECH**

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### **1311 SPCH 1311 Intro to Speech Communications**

**Credit: 1; 3 hours college**

This course provides the opportunity for students to receive both high school and college credit at the same time. Students who enter this course must meet the enrollment criteria of South Plains College and must pay their tuition at SPC for three hours of college credit. Grades will be recorded both at O'Donnell High School and SPC and will appear on each institution's transcript. The course involves the study of effective communications through speech. Emphasis is placed upon content, organization, and delivery of speeches for various purposes and occasions. This course will be taught on the O'Donnell campus. Students must have prior approval to enroll from the high school

*Grade: 9-12*

*Prerequisite: None; college entrance requirements*

*Note: This is a weighted course.*

## **FINE ARTS**

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### **6030-6034 Band I-IV**

**Credit: 1**

Four basic strands--foundations: music literacy; creative expression; historical and cultural relevance; and critical evaluation and response--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. The foundation of music literacy is fostered through reading, writing, reproducing, and creating music, thus developing a student's intellect. Through creative expression, students apply their music literacy and the critical-thinking skills of music to sing, play, read, write, and/or move. By experiencing musical periods and styles, students will understand the relevance of music to history, culture, and the world, including the relationship of music to other academic disciplines and the vocational possibilities offered. Through critical listening, students analyze, evaluate, and respond to music, developing criteria for making critical judgments and informed choices.

*Grade: 9-12*

*Prerequisite: None*

*Note: These courses include marching band and competitions. Students receive ½ PE credit toward graduation for each fall they participate in marching band.*

### **6020 Art I**

**Credit: 1**

Four basic strands--foundations: observation and perception; creative expression; historical and cultural relevance; and critical evaluation and response--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Each strand is of equal value and may be presented in any order throughout the year. Students rely on personal observations and perceptions, which are developed through increasing visual literacy and sensitivity to surroundings, communities, memories, imaginings, and life experiences as sources for thinking about, planning, and creating original artworks. Students communicate their thoughts and ideas with innovation and creativity. Through art, students challenge their imaginations, foster critical thinking, collaborate with others, and build reflective skills. While exercising meaningful problem-solving skills, students develop the lifelong ability to make informed judgments.

*Grade: 9-12*

*Prerequisite: None*

**7037 Floral Design****Credit: 1****(previously Principles and Elements of Floral Design)**

To be prepared for careers in floral design, students need to attain academic skills and knowledge related to horticultural systems and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises.

*Grades: 11-12*

*Prerequisites: None*

*Class Size Limit: 10*

*Lab: 50%*

*Certification: Floral Design Certification, Level One 1 (qualifies for CCMR recognition; Perkins qualified)*

*Note: This course meets the state graduation requirements for one credit in fine arts.*

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**LANGUAGES OTHER THAN ENGLISH**

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**General Description**

Acquiring another language incorporates communication skills such as listening, speaking, reading, writing, viewing, and showing. Students develop these communication skills by using knowledge of the language (including grammar), knowledge of the culture, communication and learning strategies, technology, and content from other subject areas to socialize, to acquire and provide information, to express feelings and opinions, and to get others to adopt a course of action. While knowledge of other cultures, connections to other disciplines, comparisons between languages and cultures, and community interaction all contribute to and enhance the communicative language learning experience, communication skills are the primary focus of language acquisition.

**6000 Spanish I and 6001 Spanish II****Credit: 1 each**

In levels I and II courses (novice levels), students will demonstrate an understanding of simple, clearly spoken, and written language. Students will develop an understanding of the practices and perspectives of the cultures studied; use the language to obtain, reinforce, or expand knowledge of other subject areas; demonstrate an understanding of the influence of language and culture on another; and use the language both within and beyond the school setting through activities such as participating in cultural events and using technology to communicate.

*Grade: 8-12*

*Prerequisite for Spanish I: None*

*Prerequisite for Spanish II: Spanish I*

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**MATHEMATICS**

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**2000 Algebra I****Credit: 1**

Algebra I provides the foundation concepts for high school mathematics. Students will be introduced to algebraic thinking and will use symbols to study relationships among quantities. They will be introduced to the relationship between equations and functions and will receive the tools for algebraic thinking as well as the training to use technology to model mathematical situations to solve meaningful problems. Foundations will be laid for all functions, with emphasis on linear and quadratic.

*Grade: 9*

*Prerequisite: None*

**2001 Geometry****Credit: 1**

Geometry provides an opportunity to do geometric thinking and spatial reasoning. The student will study properties and relationships of all geometric figures relating to zero, one, two, and three dimensions and will be introduced to the relationship between geometry & other mathematics with other disciplines.

*Grade: 10-11*

*Prerequisite: Algebra I*

**2002 Algebra II****Credit: 1**

Algebra II allows students to continue to build on the algebraic skills of analysis of data and the foundations of Algebra I. It shows a connection between algebra and geometry and illustrates how the tools of one can be used to solve problems in the other. The course includes in-depth studies and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices.

*Grade: 10-12*

*Prerequisite: Algebra I*

**2004 Precalculus****Credit: 1**

Precalculus allows students to continue to build on the mathematical foundations laid in Algebra I, II, and Geometry. Students will use functions, equations, and limits as useful tools for expressing generalizations and as means for analyzing and understanding a broad variety of mathematical relationships. Students are expected to have a good working knowledge of a graphics calculator.

*Grade: 11-12*

*Prerequisite: Geometry and Algebra II*

**2003 Mathematical Models with Applications****Credit: 1**

In this course, students continue to build on the K-8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations. Students use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology (including, but not limited to, calculators with graphing capabilities, data collection devices, and computers) to link modeling techniques and purely mathematical concepts and to solve applied problems.

*Grade: 10-12*

*Prerequisite: Algebra*

**2050 College Preparatory Mathematics****Credit: 1**

This course builds on Algebra I and Algebra II skills in preparation for a traditional college algebra course. Students will participate in an additional skills-based review and improve algebra skills to successfully pass the math section of college entrance. This course uses curriculum from South Plains College. If the student passes the final South Plains College, they are deemed college ready for their non-remedial college math course at South Plains College within the first two years following graduation.

*Grade: 12*

*Prerequisite: Counselor approval*

**2010 Financial Mathematics****Credit: 1**

Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language.

*Grade: 10-12*

*Prerequisite: Algebra 1*

*Certification: None*

*Note: This course satisfies a high school mathematics graduation requirement. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

**7062 Statistics and Business Decision Making****Credit: 1**

When possible, students will apply mathematics to problems arising in everyday life, society, and the workplace. Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language.

*Grade: 11-12*

*Prerequisite: Algebra 2*

*Certification: None*

*Note: This course satisfies a high school mathematics graduation requirement. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

**PHYSICAL EDUCATION**

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**5001 Foundations of Personal Fitness****Credit: ½**

This course represents a new approach in physical education and the concept of personal fitness. The basic purpose of the course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course.

*Grade: 9-12*

*Prerequisite: None*

**5010 Individual Sports****Credit: ½**

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course.

*Grade: 9-12*

*Prerequisite: None*

**5004-5007 Athletics****Credit: 1**

All athletic classes are sanctioned by the University Interscholastic League. In order to participate, a student must maintain a 70 average in all classes. A complete doctor's physical is required from each student athlete upon entering the 9th grade. Insurance is provided to each student athlete while participating in or while traveling to and from any UIL event sanctioned and chaperoned by TISD. TISD provides this insurance at no cost to the student athlete. Each student athlete is required to attend every practice session, unless previously excused by the head coach due to extenuating circumstances. All missed practice time will be made up. Each student will be required to abide by the rules set up by the Athletic Department without exception.

*Grade: 9-12*

*Prerequisite: Physical Exam*

**6030-6034 Band I-IV****Credit: 1**

Four basic strands--foundations: music literacy; creative expression; historical and cultural relevance; and critical evaluation and response--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. The foundation of music literacy is fostered through reading, writing, reproducing, and creating music, thus developing a student's intellect. Through creative expression, students apply their music literacy and the critical-thinking skills of music to sing, play, read, write, and/or move. By experiencing musical periods and styles, students will understand the relevance of music to history, culture, and the world, including the relationship of music to other academic disciplines and the vocational possibilities offered. Through critical listening, students analyze, evaluate, and respond to music, developing criteria for making critical judgments and informed choices.

*Grade: 9-12*

*Prerequisite: None*

*Note: These courses include marching band and competitions. Students receive ½ PE credit toward graduation for each fall they participate in marching band.*

**SCIENCE**

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**3004 Integrated Physics & Chemistry (IPC)****Credit: 1**

Learning about matter, energy, and technology and their involvement with all forms of life has become increasingly important for living in today's complex world. Through laboratory and classroom experiences, students will integrate introductory concepts in chemistry and physics to life and earth sciences.

Enrichment and application will be emphasized through use of experiments, research, critical thinking, problem-solving and multicultural connections. It will also integrate the disciplines of physics and chemistry in the following topics: motion, waves, transformations, properties of matter, changes in matter and solution chemistry.

*Grade: 9-11*

*Prerequisite: None*

*Lab: The student, for at least 40% of instructional time, conducts laboratory and field investigations using safe, environmentally appropriate, and ethical practices.*

**3000 Biology****Credit: 1**

In Biology, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. Students in Biology study a variety of topics that include structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment.

*Grade: 9-10*



*Prerequisite: None*

*Lab:*

### **3002 Chemistry**

**Credit: 1**

In Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Students study a variety of topics that include characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives.

*Grade: 10-12*

*Prerequisite: one unit of high school science and Algebra I*

*Lab: The student, for at least 40% of instructional time, conducts laboratory and field investigations using safe, environmentally appropriate, and ethical practices.*

### **3001 Environmental Systems**

**Credit: 1**

In this course, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; the relationship between carrying capacity and changes in populations and ecosystems; and changes in environments.

*Grade: 11-12*

*Prerequisites: Biology*

*Lab: The student, for at least 40% of instructional time, conducts laboratory and field investigations using safe, environmentally appropriate, and ethical practices.*

### **7038 Food Science**

**Credit: 1**

382060 Food Science Credit: 1 In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. This course may be used to satisfy a science credit required for graduation.

*Grade: 11-12*

*Prerequisite: Three units of science including chemistry and biology*

*Certification: Food Handler (does not qualify for CCMR recognition)*

*Lab: Students must meet the 40% laboratory and fieldwork requirement. (Does not include food preparation)*

*Note: This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.*

### **7015 Advanced Animal Science**

**Credit: 1**

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge related to animal science and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production.

*Grades: 10-12*

*Prerequisite: None*

*Shop:*

*Certification: None*

*Note: This course meets the state graduation requirements for an advanced fourth science.*

## **SOCIAL STUDIES**

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### **4000 World Geography Studies**

**Credit: 1**

In this course, students examine people, places, and environments at local, regional, national, and international scales. Students describe the influence of geography on events of the past and present. A significant portion of the course centers on the physical processes that shape patterns in the physical environment; the characteristics of major land forms, climate, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of world population; relationships among people, places, and environments; and the concept of region.

*Grade: 9-10*

*Prerequisite: None*

### **4002 U.S. History Since Reconstruction**

**Credit: 1**

In this course, the second part of a two-year study of U.S. history that begins in Grade 8, students study the history of the United States from Reconstruction to the present through the use of reading, research, writing, and interpretation of maps, charts, graphs, and tables. Historical content focuses on political, economic, military, diplomatic, and social events and issues, including the contributions of significant groups and individuals to the history of this country, and the impact of geographic factors on major events. An important part of the content is the development and application of the principles of citizenship. Students will use critical thinking skills to explain and apply methods of interpreting the past, including points of view and historical context. They will use a variety of rich primary and secondary source material, such as biographies and autobiographies, Supreme Court cases, novels, speeches, letters, diaries, poetry, songs, artworks, photographs, documentaries, and films.

*Grade: 11*

*Prerequisite: None*

### **4003 U.S. Government**

**Credit: ½**

This course focuses on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, 142 checks and balances, separation of powers, popular sovereignty, and individual rights, and they compare the U.S. system of government with other political systems.

*Grade: 12*

*Prerequisite: None*

### **4004 Economics**

**Credit: ½**

This course is a comprehensive study of the American free enterprise economy. It includes the study of basic concepts of economics, the market system, the American business system, labor unions, money and banking, business cycles, consumer skills, the role of government in free enterprise, and comparative

economic systems. Emphasis is placed upon economic decision-making and personal development strategies.

*Grade: 12*

*Prerequisite: None*

**4012 Personal Financial Literacy**

**Credit: ½**

This course is a required course offering for every high school in the state. Students participate understanding interest, avoiding and eliminating credit card debt; understanding the rights and responsibilities of renting or buying a home; managing money to make the transition from renting a home to home ownership; starting a small business; being a prudent investor in the stock market and using other investment options; beginning a savings program and planning for retirement; bankruptcy; the types of bank accounts available to consumers and the benefits of maintaining a bank account; balancing a check book; the types of loans available to consumers and becoming a low-risk borrower; understanding insurance; charitable giving; completing the application for federal student aid provided by the United States Department of Education; and methods of paying for college.

*Grade: 10-12*

*Prerequisite: None*

**ADDITIONAL NON-CTE ELECTIVES**

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**6010 Senior Transitions**

**Credit: 1**

This is a locally developed course designed to give seniors time, access, and guidance through the college exploration and acceptance process, financial aid, housing, degree research, and scholarship applications. It includes college tours and visits from multiple college recruiters.

*Grade: 12*

*Prerequisite: None*