

WEATHERFORD HIGH SCHOOL CAREER & TECHNOLOGY ELECTIVES



Career Clusters

Course explanations follow each career cluster. WHS Career & Technology Education Department has many programs where a national industry recognized certification or state license can be earned. Fall and Spring courses are indicated with "F" or "S". College credit courses are indicated with an asterisk (*).

Course #	Course Title	Grade	Credit	Prerequisite Course/Notes
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AGRICULTURE, FOOD AND NATURAL RESOURCES

613	Intro to World Agriculture Science & Tech. F*	10 -11	.5	
614	Applied Agriculture Science S	10 -11	.5	
619	Floral Design F*	10-12	.5	
620	Advanced Floral Design S*	10-12	.5	619
623	Wildlife & Recreation Management F	10-12	.5	613
624	Range Management & Ecology S*	11-12	.5	613
625	Agricultural Metal Fabrication Technology F	10-12	.5	613
626/627	Intro to Agricultural Mechanics F/S	10-12	.5	613
628	Agricultural Structures Technology S	10-12	.5	626/627
629	Agricultural Mechanics I	11-12	1	626/627
631	Animal Science F*	10-12	.5	613
632	Equine Science S*	10-12	.5	613
633	Intro. to Veterinarian Technology Assistant F	10-12	.5	
634	Advanced Animal Science S	10-12	.5	631
638	Agriculture Science & Technology Education Career Preparation - I	11-12	3	Related Job
639	Agriculture Science & Technology Education Career Preparation - II	12	3	638 Related Job

Course #	Course Title	Grade	Credit	Prerequisite Course/Notes
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ARCHITECTURE & CONSTRUCTION/ENGINEERING

607	Housing, Design and Furnishings F*	10-12	.5	
608	Interior Design S*	10-12	.5	
643	Architectural Graphics – CAD*	10-12	1	
644	Engineering Graphics – CAD*	10-12	1	
645	Problems and Solutions Technology I - CAD	11-12	1	643 or 644
646	Problems and Solutions Technology II - CAD	12	1	645
662	Career Preparation I	11-12	3	
663	Career Preparation II	12	3	662

BUSINESS, MANAGEMENT & ADMINISTRATION

522/523	Business Management F/S*	10-12	.5	
504	Administrative Procedures	10-12	1	
505	Beginning Business Computer Information Systems I	10-12	1	
506	Business Computer Information Systems I*	10-12	1	Keyboarding
507	Advanced BCIS I-Tech Prep College Credit*	10-12	1	Keyboarding
508	Business Computer Information Systems II*	10-12	1	505 or 506
524/525	Business Ownership F/ S*	10-12	.5	
511	Accounting I*	10-12	1	
512	Accounting II*	11-12	1	511
513/514	Career Leadership Intern Program F/S	12	1	
518/519	Banking & Financial Systems F/S	10-12	.5	
520/521	International Business F/S	10-12	.5	
662	Career Preparation I	11-12	3	Related Job
663	Career Preparation II	12	3	662

EDUCATION AND TRAINING

601	Prep for Parenting F*	10-12	.5	
602	Child Development S*	10-12	.5	
605	Teacher Intern I - Child Care & Guidance Management & Services I*	11-12	2	
606	Teacher Intern II - Child Care & Guidance Management & Services II	12	2	605
662	Career Preparation I	11-12	3	Related Job
663	Career Preparation II	12	3	662

HEALTH SCIENCE

682	Health Science Technology I*	10-12	1	
683	Health Science Technology II*	11-12	2	682
684	Health Science Technology III/ Medical Assisting	12	2	683

HUMAN SERVICES

603	Nutrition & Food Science F*	10-12	.5	
604	Food Science & Technology S*	10-12	.5	

666	Cosmetology I	11-12	3	
Course #	Course Title	Grade	Credit	Prerequisite Course/Notes
667	Cosmetology II	12	3	666
668	Cosmetologist Manicurist I	11-12	2	
662	Career Preparation I	11-12	3	Related Job
663	Career Preparation II	12	3	662

INFORMATION TECHNOLOGY

515	Business Image Management and Multimedia*	10-12	1	Keyboarding
653	Internetworking Technologies I – CISCO I*	11-12	1	
654	Internetworking Technologies II - CISCO II*	12	1	653
693	Computer Multimedia and Animation Technology I (CMAT I) *	10-12	1	Keyboarding
694	CMAT II Research, Design & Development I	11-12	1	693
695	CMAT III Research, Design & Development II	12	1	694
662	Career Preparation I	11-12	3	Related Job
663	Career Preparation II	12	3	662

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

648	Technical Intro to Criminal Justice F*	10-12	.5	
649	Crime in America S*	10-12	.5	
650	Fundamentals of Criminal Law F*	11-12	.5	648 or 649
651	Criminal Investigations S	11-12	.5	648 or 649
662	Career Preparation I	11-12	3	Related Job
663	Career Preparation II	12	3	662

MARKETING, SALES & SERVICE

516/517	Advertising F/S	10-12	.5	
670	The Marketing Studio at Weatherford	11-12	1	
671/672	Sports and Entertainment Marketing F/S	10-12	.5	
674	E Commerce	10-12	1	
675	International Marketing S	10-12	.5	
678	Marketing Career Preparation I *	11-12	3	Related Job
679	Marketing Career Preparation II *	12	3	678

TRANSPORTATION, DISTRIBUTION & LOGISTICS

660	Automotive Technician I*	11-12	2	
661	Automotive Technician II*	12	3	660

CAREER PREPARATION

638	Agriculture Science & Technology Education Career Preparation - I	11-12	3	Related Job
639	Agriculture Science & Technology Education Career Preparation - II	12	3	638 Related Job
513/514	Career Leadership Intern Program F/S	12	1	
678	Marketing Career Preparation I *	11-12	3	Related Job
679	Marketing Career Preparation II *	12	3	678
662	Career Preparation I	11-12	3	Related Job
663	Career Preparation II	12	3	662



- 613 Introduction to World Agricultural Science & Technology 101***
Fall semester: Grade 10-11 *-Tech Prep College Credit
 Required basic beginning course to all Agriculture classes. This course introduces students to the National FFA Organization by explaining the history and opportunities offered in the Agriculture field. Discussed in this course will be topics covering leadership skills, the agriculture industry and skills needed to be successful in the agriculture industry. Students taking the class will develop public speaking skills and increase their knowledge of parliamentary procedure. This course is an introduction to global agriculture and includes topics in leadership development, communications, personal finance and mechanized agriculture.
- 614 Applied Agricultural Science & Technology**
Spring semester: Grade 10-11
 This course includes the study of soils, plants, animals, agricultural construction, food science, supervised hands on agricultural experience programs and career development.
- 619 Floral Design***
Fall semester: Grade 10-12 *-Tech Prep College Credit
 This course is designed to develop skills in the design and arrangement of flowers, foliage and related plant materials for interior locations. A follow up course in the spring is Advanced Floral Design. **Lab fee - \$10**
- 620 Advanced Floral Design***
Spring semester: Grade 10-12 *-Tech Prep College Credit
Prerequisite: Floral Design #619
 This is a continuation of skills learned first semester in Floral Design. Floral design is examined in relation to contemporary designs, business practices, creativity and careers in the floral industry. **Lab fee - \$10.**
- 623 Wildlife and Recreation Management**
Fall semester: Grades 10-12
Prerequisite: Intro to World Ag Science & Tech. #613
Certification: Texas Hunter Safety
 This course is designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Course study will include coverage of biological facts, habitat management and industry related skills. Students have the opportunity to earn their Texas Hunter Safety Certification.
- 624 Range Management & Ecology***
Spring semester: Grades 11-12 *-Tech Prep College Credit
Prerequisite: Intro to World Ag Science & Tech. #613
 Students taking Rangeland Management will discuss the establishment and maintenance of pasture for livestock grazing as well as the support of wildlife. Emphasis will be placed on identification of range plants and control of weeds. Students will classify range plants, determine desirable and undesirable characteristics of range ecology, recommend appropriate range practices and recognize the impact that rangeland has on the water cycle.
- 626/627 Introduction to Agricultural Mechanics***
Fall/Spring semester: Grades 10-12 *-Tech Prep College Credit
Prerequisite: Intro to World Ag Science & Tech. #613
 This **lab course** is designed to introduce basic theory and specialized skills in agricultural mechanics. Skills to be developed include safe use and tool identification, carpentry, electricity, plumbing, masonry, fencing, painting, metalworking and welding processes.

625 Agricultural Metal Fabrication Technology

Fall semester: Grades 10-12

Prerequisite: Introduction to Agricultural Mechanics #626/627

This **lab course** is designed to develop skills in metal equipment construction and joining processes. Emphasis will be placed on the use of stick welders, wire feed welders and oxygen-acetylene torches. Students will develop welding skills applicable to the agriculture industry.

628 Agricultural Structures Technology

Spring semester: Grades 10-12

Prerequisite: Introduction to Agricultural Mechanics #626/627

This **lab course** is designed to develop skills in the maintenance, evaluation, design and building of agricultural structures using approved construction techniques for using metal or wood.

629 Agricultural Mechanics I

Two Semesters: Grade 11-12

Prerequisite: Introduction to Agricultural Mechanics #626/627

This **lab course** is designed to introduce concepts and skills necessary in agricultural mechanics. The course emphasizes soil and water conservation, electrification, concrete, masonry, building, planning and construction. Students will also develop skills in small engine and AG equipment, maintenance and repair, oxyfuel and electric cutting and welding.

631 Animal Science*

Fall semester: Grades 10-12

***-Tech Prep College Credit**

Prerequisite: Intro to World Ag Science & Tech. #613

This is a course designed to develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic animals. The recommended course to follow in the spring is Advanced Animal Science. A student will gain a years knowledge in the study of animals such as cattle, swine, horses and sheep.

632 Equine Science*

Spring semester: Grades 10-12

***-Tech Prep College Credit**

Prerequisite: Intro to World Ag Science & Tech. #613

This course is designed to develop knowledge and skills pertaining to the selection, nutrition, reproduction, health and management of horses.

633 Introduction to Veterinary Technology Assistant

Fall semester: Grades 10-12

This course provides training in the unlicensed veterinary assistant field. The course includes, but is not limited to, animal handling and restraint, health and safety, sanitation, surgical preparation, anatomy, physiology, medical terminology, infectious diseases, instrument and equipment identification, vaccine preparation and injection techniques, laws and ethics and veterinary office procedures.



634 Advanced Animal Science

Spring semester: Grades 10-12

Prerequisite: Animal Science #631

Demonstrates principles of animal agriculture and the resources necessary for producing domesticated animals; applies the principles of genetics and breeding to livestock improvement; examines animal anatomy and physiology in livestock species; recognizes policies and issues in animal science; discusses slaughter livestock operations; and explores methods of marketing livestock. Emphasis's on Livestock & Meat Evaluation

638 Agricultural Education Career Preparation-I

Two semesters: Grades 11-12

Prerequisite: Application required. See the Career Counselor in the Career Center.

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

See Career Preparation section at the end of the Roo Register for class description.

646 Problems and Solutions in Technology II -CAD

Two semesters:

Grade 12

Pre-requisite:

CAD Research, Design and Development #645

For those who believe this field may be their chosen occupation, you will continue developing skills in the AutoCAD field. This class will challenge your abilities. There are no limits to how far you will be able to explore. This class allows you to develop skills learned through projects and research in prior classes.

662 Career Preparation I

Two semesters:

Grades 11-12

Prerequisite:

Application required. See your counselor

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

See Career Preparation section at the end of the Roo Register for class description.

663 Career Preparation II

Two semesters:

Grade 12

Prerequisite:

CP I #662

See Career Preparation section at the end of the Roo Register for class description.



522/523

Business Management*

Fall/Spring

Grades 10-12

***-Tech Prep College Credit**

This course introduces basic management concepts and leadership styles, explores managerial functions, economic and social components of productivity, business and human relations, explains the changing nature of the business environment, presents concepts of business integrity and requires students to develop and implement a business plan.

504

Administrative Procedures

Two Semesters:

Grade 10-12

Provides an advanced and in-depth study of concepts and skills in various systems and administrative procedures that enable a worker to manage or function in the workplace; enhances technology skills and oral and written language skills relating to effective communications; emphasizes planning and organizing work, establishing priorities, records and information management, and operation of equipment.

505

Beginning Business Computer Information Systems I

Two Semesters:

Grades 10-12

Technology Credit

This course is designed to assist students learn and apply basic keyboarding skills. Students will complete the course with an intermediate skill level in word processing, spreadsheet, powerpoint and database applications. This course will apply technology skills to personal/workplace business situations.

506

Business Computer Information Systems I*

Two Semesters:

Grades 10-12

***-Tech Prep College Credit**

Prerequisite:

Keyboarding

Technology Credit

Students apply technology skills to personal/workplace business situations focused on word processing, spreadsheet, database, telecommunications, desktop publishing, presentation management, networking, operating systems and emerging technologies. Students should complete the course with an intermediate skill level in word processing, spreadsheet, powerpoint and database applications.

507 Advanced Business Computer Information Systems I* with Required Certification Test

Two Semesters: Grades 10-12 *-Tech Prep College Credit
Prerequisite: Keyboarding or 35 words per minute Technology Credit

This college credit course assists students applying technology skills to personal/workplace business situations focused on word processing, spreadsheet, database, desktop publishing, presentation management, networking, powerpoint, operating systems and emerging technologies. This is a fast pace class that requires a proficient typing skill. **Students required to take the Microsoft Office Word Certification Test. Exam cost: \$80**

508 Business Computer Information Systems II*

Two Semesters: Grades 10-12 *-Tech Prep College Credit

Prerequisite: BCIS I #505 or #506

Certification: MOS (Microsoft Office Specialist)

Earn Microsoft Office Specialist Certification at WHS! Why? Not only does Microsoft Certification validate that you are an expert with the Microsoft Office 2007 Suite but it gives you vital skills necessary for career advancement. The **cost** for **each** certification test is **\$75** and is subject to change by the testing site.

MOS CERTIFICATION

A globally recognized standard and students earn Microsoft certificates. In order to receive Microsoft Office Specialist Certification, students must successfully pass four certifications:

MICROSOFT WORD EXPERT CERTIFICATION: Learn how to create custom styles, control pagination, wrap text with graphics, summarize document content, structure documents using XML, create cross-references, protect and restrict documents, and modify word default settings.

MICROSOFT EXCEL EXPERT CERTIFICATION: Learn how to define and apply advanced filters, use data validation, manage scenarios, perform data analysis, create PivotTables, set protection and security settings, publish web workbooks, and modify default settings.

And 2 more of the following Microsoft certifications:

POWER POINT, ACCESS or OUTLOOK

524/525 Business Ownership*

Fall/Spring Grades 10-12 *-Tech Prep College Credit

Business Ownership provides the prospective entrepreneur a theoretical base as well as practical and proven techniques for planning, organizing and operating a business. It includes planning and strategy concepts, financial and organizational considerations, market analysis, customer development, operations management, accounting and financial controls and other components of entrepreneurship.

511 Accounting 1*

Two Semesters: Grades 10-12 *-Tech Prep College Credit

Accounting 1 introduces students to accounting concepts, principles and procedures. The course emphasizes the skills, knowledge and attitudes necessary for individuals to conduct personal business or to further their education in the field of accounting. The students will use manual and automated methods to perform accounting procedures.

512 Accounting 2*

Two Semesters: Grades 11-12 *-Tech Prep College Credit

Prerequisite: Accounting I #511

Accounting 2 provides the student an opportunity to review and further develop fundamental accounting principles using technology. The course helps students develop additional skills in applying principles used in accounting systems and other business methods. Accounting 2 is designed for students interested in continuing their education at the post-secondary level or entering the workforce.

513/514 Career Leadership Intern Program

Fall/ Spring Grade 12

Prerequisite: Application Required – See the Career Counselor

See Career Preparation section at the end of the Roo Register for class description

518/519 Banking & Financial Systems
Fall/Spring Grade 10-12

This course introduces the student to fundamental banking information including different types of financial institutions, credit, checking accounts, banking services and mortgages. This course will give students the background necessary to be informed consumers, employees and entrepreneurs.

520/521 International Business
Fall/Spring Grade 10-12

Have you ever thought how exciting it would be to work in a foreign country? Understand how to succeed in today's global economy by exploring the major factors that influence international trade including social, cultural, political, legal and economic factors.



662 Career Preparation I

Two semesters:

Grades 11-12

Prerequisite:

Application required. See your counselor

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

See Career Preparation section at the end of the Roo Register for class description.

663 Career Preparation II

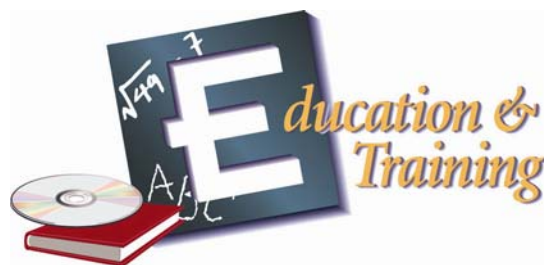
Two semesters:

Grade 12

Prerequisite:

CP I #662

See Career Preparation section at the end of the Roo Register for class description.



601 Preparation for Parenting*

Fall semester:

Grades 10-12

*** Tech Prep College Credit**

This course is designed to provide students with the opportunity to develop knowledge and skills in preparation for the possible role of being a parent or caregiver. Content stresses parental responsibilities, child guidance techniques, parents as positive role models, parents as their children's first teacher and parenting practices which promote a child's development, health, safety and well-being. Students have the opportunity to benefit from participating in the Baby Think-it-Over program. Students can continue in the Child Development pathway by enrolling in Child Development #602 in the spring.

602 Child Development*

Spring semester:

Grades 10-12

*** Tech Prep College Credit**

This course is designed to focus on knowledge and skills related to the development, care, guidance and protection of children. Instruction addresses the principles and procedures for promoting the physical, emotional, social and intellectual development of young children, including those with special needs. Child Development prepares students for Teacher Intern I #605.

605 Teacher Intern I - Child Care & Guidance Mgmt. and Services I*

Two semesters:

Two periods each semester: Grades 11-12

*** Tech Prep College Credit**

Credit

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

Training in this course is designed to develop knowledge and skills for employment as elementary education teachers. Students shadow elementary teachers, develop lesson plans and implement class activities. Students must provide their own transportation to the assigned elementary school. They must follow the dress and grooming code set for WISD teachers during their internships. **Two periods are required.**

606 Teacher Intern II - Child Care & Guidance Mgmt. and Services II

Two semesters: Two periods each semester: Grade 12

Pre-requisite: Teacher Intern I #605

Training in this course is designed to further develop knowledge and skills as an elementary teacher. Students shadow elementary teachers, develop lesson plans and implement class activities. Students must provide their own transportation to their assigned elementary school. They must follow the dress and grooming code set for WISD teachers during their internships. **Two periods are required.**

662 Career Preparation I

Two semesters: Grades 11-12

Prerequisite: Application required. See your counselor

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

See Career Preparation section at the end of the Roo Register for class description.

663 Career Preparation II

Two semesters: Grade 12

Prerequisite: CP I #662

See Career Preparation section at the end of the Roo Register for class description



682 Health Science Technology I*

Two semesters: Grades 10-12

*** Tech Prep College Credit**

Certification: CPR and First Aid

Requirement for graduation - This course fulfills 0.5 Health Education (1 semester course)

Health Science Technology I is designed to provide an introduction to the concepts and skills necessary for entering health care occupations. The program includes the study of anatomy and physiology, vital signs, medical terms and medical ethics. Student may become certified in CPR and First Aid.

683 Health Science Technology II*

Two semesters: Two periods each semester - Grades 11-12

*** Tech Prep College**

Credit

Pre-requisite: HST I #682 Application Required – See the Career Counselor

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

In this course, students observe and gain firsthand knowledge in a variety of health care occupations. Students rotate through a series of on-the-job observations in health care occupations, such as doctor's offices, veterinarian's offices, and Weatherford Regional hospital departments. **Two periods are required.**

684 Health Science Technology III/Medical Assisting

Two semesters: Two periods each semester - Grade 12

Pre-requisite: HST II #683

Certification: Certified Nurse Assistant (C.N.A.)

First semester involves an in-depth study in a rotation of the student's choice. Second semester is an option of a different rotation or C.N.A. training. C.N.A. training covers general nursing and patient care principles. C.N.A. is a professional certificate recognized by business and industry that can be used for immediate employment and enhances a college application. **There is a fee for the C.N.A. option approximately \$300.** There is an attendance requirement to meet the C.N.A. training guidelines and some clinical experiences on several Saturdays. Fund raising is available to help defray the cost. **Two periods are required.**



603 Nutrition & Food Science* *** Tech Prep College Credit**
Fall semester: Grades 10-12

Students have the opportunity to prepare various foods in the commercial grade Culinary Lab. Students will prepare food as a major part of the curriculum. If you are looking for a class that offers hands on experience in preparing food, choose this one. Other curriculum studied; nutrition, food choices, food management skills, meal etiquette and career options. Students interested in continuing in the Food Preparation courses may follow with Food Science & Technology #604 in the spring.

604 Food Science & Technology* *** Tech Prep College Credit**
Spring semester: Grades 10-12

Instructional topics include; diet-related disorders, diets appropriate to the life cycle and chemical and physical changes that affect food product quality. Additional topics are technologies used in food processing and product development, food safety and sanitation standards, market research, legal issues and food policies. Students have the opportunity to learn how to prepare various foods in the commercial grade Culinary Lab.

666 Cosmetology I **Total Credits: 4**

Two Semesters: Three Periods each semester: Grades 11 & 12

Application Required: See the Career Counselor

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

This course is a **two year program**. Students must **clock in and record 500 hours each year**. Students must enroll for **three periods** and start early in the A.M. session or stay late in the P.M. session **each day** to reach the required hours. Students will clock into class each day according to the Texas Department of Licenses and Regulations guidelines.

Instruction includes all Texas Department of Licenses and Regulations state board requirements including: sterilization and sanitation processes, shampooing and rinsing, hair coloring, advanced hair cutting, permanent waving, thermal and chemical hair straightening, make-up, facials and massages, nail techniques, etc.

Students are required to register for the Texas Department of Licenses and Regulations and purchase a lab kit when they enroll in the course. **COST: \$375**

667 Cosmetology II **Total Credits: 4**

Two Semesters: Three Periods each semester: Grade - 12

Prerequisite: Cosmo I #666

Certification: Cosmetology State License -Texas Department of Licenses and Regulations

The second year is a planned **500 clock hour** course. Students will complete the **1000 clock hours** of required classroom training and laboratory instruction. To attain the required **500 hours**, students must enroll for **three periods** and start early in the A.M. session or stay late in the P.M. session **each day**. **COST: \$375.**

Upon completion of the required **1000 hours**, students will take the Texas Department of Licenses and Regulations state board exam.

668 Cosmetology Manicurist I **Total Credits: 3**

Two Semesters: Two Periods each semester: Grade 11 or 12

The Manicurist graduate is eligible to become a registered nail technician through the Texas Department of Licensing and Regulation. Students **must register** with the Texas Department of Licenses and Regulations and

purchase a lab kit/lab coat when they enroll in the course. **You must clock 600 hours to complete the requirements of the Texas Dept. of Licenses and Regulations.** This will require completion during your senior year. Seniors will enroll in Cosmo I for one period so they can complete the 600 hours. You will be in class two periods. **Cost: \$375**

Classroom/lab instruction is designed to prepare the student for the Texas Cosmetology Manicurist exam. Course content includes; basic manicure, pedicure procedures, hand, arm and foot massage and the application of artificial nails to include tips, sculptured nails, wraps, fiberglass and gels. Also covered is bacteriology, sanitation, anatomy of the arms and hands, nail structure, nail disorders, professional practices and salon procedures. Safety and career opportunities are also included.

662 Career Preparation I
Two semesters: Grades 11-12
Prerequisite: Application required. See your counselor
P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.
See Career Preparation section at the end of the Roo Register for class description.

663 Career Preparation II
Two semesters: Grade 12
Prerequisite: CP I #662
See Career Preparation section at the end of the Roo Register for class description



515 Business Image Management & Multimedia*
Two Semesters: Grades 10-12 *Tech Prep College Credit
Prerequisite: Keyboarding Proficiency Technology Credit
Requirement for graduation – This course fulfills the required 1 credit of Technology for graduation
This course develops proficiencies in designing, importing and manipulating advanced text graphics, audio, and video used in presentation management, multimedia productions, publishing systems and emerging technologies. This course is divided into basic units of Desktop Publishing, Presentations, Graphics and Web Page Design.

653 Internetworking Technologies I, CISCO Academy I*
Two Semesters: Grades 11-12 * Tech Prep College Credit
Certification: PNIE Cabling Certification
The CISCO Academy provides skills that are developed in advanced technologies required by the business environment. The Panduit Network Infrastructure Essentials Course, sponsored by Panduit, is designed for students interested in the physical aspects of voice and data network cabling and installation. The course focuses on cabling issues related to data and voice connections and provides an understanding of the industry and its worldwide standards, types of media and cabling, physical and logical networks, as well as signal transmission. PNIE Certification. **Exam cost: \$140 (subject to change).**

654 Internetworking Technologies II, CISCO Academy II*
Two Semesters: Grade 12 * Tech Prep College Credit
Prerequisite: CISCO Academy I #653
Certification: CCNA – Cisco Certified Network Administrator
The CISCO Academy provides a basic introduction to the development and impact of telecommunications and the operational and technical aspects of network/telecommunications systems. The Cisco CCNA® Discovery

ADDY Awards each year. The curriculum covers research and decision-making, advertising copywriting, advertising production, presentation for marketing.

671/672 Sports and Entertainment Marketing

Fall/ Spring Grades 10-12

Sports and Entertainment Marketing are two of the hottest fields in the United States today. Whether you are a professional athlete, owner of a recreational business or a manager of an entertainment business, this course will help with understanding how to market yourself or business. Best practices/management systems in your business will be taught in this exciting industry. Activities will include promotion, locating sponsors, sales activities and communication necessary for successful sports and entertainment events.

674 E Commerce

Two Semesters: Grades 10-12

Another hands-on course! Students learn how to use industry standard computer programs such as Dreamweaver, Fireworks, Flash and more while familiarizing themselves with the inner workings of first-rate websites. Whether you want to learn how to make yourself valuable in a profession that is changing the world of business, or if you just want to spend time learning how to build the coolest website around, this is the course for you.

675 International Marketing

Spring semester: Grades 10-12

International Marketing allows you to research popular items made in other countries, such as televisions, shoes and clothing. Without global business, you would have a different lifestyle. International Marketing is important for the following reasons: raw materials for the US, manufactured parts, demand for US and foreign products and services, new markets and investment opportunities and it can help improve political relations. You will have the opportunity to learn about cultural differences, opportunities for foreign investment, develop business plans and participate in the student organization, DECA.

678 Marketing Career Preparation I*

Two Semesters: Grades 11-12

***-Tech Prep College Credit**

Prerequisite: Application required. See your counselor

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

See Career Preparation section at the end of the Roo Register for class description

679 Marketing Career Preparation II*

Two Semesters: Grade 12

***-Tech Prep College Credit**

Prerequisite: Marketing Dynamics Career Prep #678

See Career Preparation section at the end of the Roo Register for class description



660 Automotive Technician 1*

Two Semesters: Grades 11-12

*** Tech Prep College Credit**

Prerequisite: Application Required – See the Career Counselor

Certification: ASE Certification in Electrical Systems and Steering/Suspension

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

This is a **two period** automotive lab course offering job-specific training in safety, the proper use of tools and equipment, and industry specific repair and diagnostic information. Students will be able to gain knowledge and training required to successfully take a national certification exam in the areas of Electrical Systems and Steering/Suspension as part of the Automotive Service Excellence (ASE) test series. Students will have an

opportunity to shadow at a local automotive repair business during the second semester. During the summer, following the junior year, students will have an opportunity to apply as an intern at a local business, and be paid during the summer apprenticeship. **Cost \$40.**

661 Automotive Technician 2*

Two Semesters:

Grades -12

*** Tech Prep College Credit**

Prerequisite:

Auto Tech I #660

Certification:

ASE Certification in Brake Systems and Engine Performance

This is a three period automotive lab course designed to follow Auto Tech I. Students will be able to gain further knowledge and training required to successfully take the ASE certification exams, and have experience, in the areas of Brakes and Engine Drivability/Diagnostics. Upon completion of both Automotive Tech I and II, students would be able to begin a career as an automotive technician or explore post-secondary technical school opportunities. **Cost \$30.**

CAREER PREPARATION PROGRAMS WORK-BASED LEARNING

Highly motivated students are provided the opportunity to “earn while you learn”

- Students attend a Career Prep class and are released early one to two periods to work.
- Students must work at least 10-15 hours a week.
- **Students must have a job when school starts or within the first two weeks of school**
- Students must stay employed all year to remain in the course.

Program Areas

WHS offers Career Preparation classes through a work training program for juniors and seniors. Career Preparation classes are available through the following programs: Agriculture (638 & 639), Marketing (678 & 679) and Career Preparation (662 & 663).

Scheduling Concerns

- Each student must be employed in an occupation that is related to the classroom instruction.
- All jobs or work stations must be approved by the instructor.
- Students must enroll in one period for the career preparation class and two periods for the early release on-the-job training experience. Students may earn up to three state credits.

Requirements for all Programs

The requirements to be enrolled in any of the Career Preparation Programs are:

- Employment at instructor approved job or work station
- Parent/Guardian agreement & approval of all Career Preparation requirements
- Must have a job when school begins or within the first two weeks of classes
- Work ten to fifteen hours per week with equitable salary to other entry-level employees
- **Must be age 16 or older by the first day of school**
- Maintain employment throughout the year
- Have a drivers license and provide their own transportation to and from the work site
- Lack of employment means removal from the career preparation program

Failure to follow the program requirements listed above could result in loss of all career prep credits.

Career Preparation Classes

513/514

Career Leadership Intern Program

Fall/Spring:

Grade: 12

Prerequisite:

Application Required – See the Career Counselor

A one semester course where students shadow a company executive of choice. The class will meet for **two periods**. Students meet one day in class and are released four days a week to shadow their desired business

training station. Students must provide their own transportation. Students may choose the profession they wish to explore, shadow the business executive and develop skills needed to enter that business after graduating from high school/college.

638 Agricultural Education Career Preparation-I

Two semesters: Grades 11-12

Prerequisite: Application required. See the Career Counselor in the Career Center.

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

Students must be employed for the full year at an approved agricultural related job. This course combines classroom learning and work-site training in specific agribusiness careers; such as equine/animal science, horticulture, small animal management, etc. Students must work a total of at least 10-15 hours a week. Students are released early for their work component. Students must have a driver's license and furnish their own transportation.

639 Agricultural Education Career Preparation-II

Two semesters: Grade 12

Prerequisite: Ag Science Career Prep I #638

Application required. See the Career Counselor in the Career Center.

Career Preparation II is a continuation of Career Preparation I. All requirements in II are identical as in I. Students must have a driver's license and furnish their own transportation.

662 Career Preparation I

Two semesters: Grades 11-12

Prerequisite: Application required. See the Career Counselor

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

Students must be employed for the full year at approved training stations. CP is a non-specific occupational course designed to provide classroom training in how to get, keep and advance on-the-job experiences. Work-based learning is provided by local business sponsors and goals are set through training plans for the student. Students may be eligible for college tech prep credit depending on the training station assigned. Students must work a total of at least 10-15 hours a week. Students are released early for their work component. Students must have a driver's license and furnish their own transportation.

663 Career Preparation II

Two semesters: Grade 12

Prerequisite: CP I #662

Career Preparation II is a continuation of Career Preparation I. All requirements in II are identical as in I. Students must have a driver's license and furnish their own transportation.

678 Marketing Career Preparation I*

Two Semesters: Grades 11-12

***-Tech Prep College Credit**

Prerequisite: Application required. See the Career Counselor

P.E. requirement for graduation: This course may substitute for 1.0 credit in P.E.

Students must be employed for the full year at approved marketing training stations. Marketing related work-based learning includes a wide range of job opportunities. Classroom studies include understanding the needs of the customer at the worksite in areas such as; retail sales, advertising, apparel and accessories, banking and finance, entrepreneurship, food marketing, general merchandising and management and human relations. Students must work a total of at least 10-15 hours a week. Students are released early for their work component. Students must have a driver's license and furnish their own transportation.

679 Marketing Career Preparation II*

Two Semesters: Grade 12

***-Tech Prep College Credit**

Prerequisite: Marketing Dynamics Career Prep #678

Career Preparation II is a continuation of Career Preparation I. All requirements in II are identical as in I. Students must have a driver's license and furnish their own transportation.

Planning Information for Graduation Purposes

Career Courses that meet the Technology Graduation Requirement

You must take a Technology credit to graduate. These Career courses will count.

Course #	Course Title	Grade	Credit	Prerequisite Course/Notes
690	Technology Systems	9	1	
505/506	Business Computer Information Systems*	10-12	1	Keyboarding
515	Business Image Management and Multimedia*	10-12	1	Keyboarding
693	Computer Multimedia & Animation Technology*	10-12	1	Keyboarding

Career Courses that meet 1.0 Physical Education Graduation Requirement

All 2, 3 or 4 credit Career courses will count and can be substituted as a 1.0 PE credit. You do not have to take the PE 1 credit course. You must take the 0.5 credit of PE-1A Foundations course

Career Courses that meet the Health Graduation Requirement

By taking Health Science Technology I, you do not have to take the 0.5 Health Credit requirement needed for graduation.

College Credit Courses - Gain College Credit while still in High School

Tech Prep is a process where students take courses in high school that earn college credit toward a technical two year associate degree. **Free tuition college credit** is available by taking one of the Tech Prep courses. To be eligible for college credit, students must:

- **Enroll** in a course identified with an asterisk that identifies a Tech Prep college credit course
- **Pass** with a grade of 80 or better
- **Attend** the appropriate college at least one semester
- **Enroll** in the two year technical college with that degree plan after graduation
- **Tech Prep courses are indicated in each Career Pathway with an asterisk (*)**

Career Pathways

When a student takes two or more classes in the same pathway, they can determine if this is a career that would interest them. WHS coherent sequences help students develop job and personal skills, leadership skills and an awareness of opportunities in a career. A career pathway prepares a student to enter the job market or gain a nationally recognized industry certificate or a state license. Many students continue their education as a college or technical student.

Graduation Recommendations

Recommended High School Graduation Program is a standard for students at WHS.

Distinguished Achievement Program measures can be earned by taking Tech Prep courses.

National Technical Honor Society, NTHS High achieving students in Career Technology Education courses can be recognized and honored through membership in the National Technical Honor Society, NTHS. See the Career counselor, Ms. Owens, for membership qualifications.

9TH CAREER ELECTIVES

Career Planning

Course #	TEA PEIMS #	Course Title	Grade	Credit	Prerequisite Course/Notes
0506	1201120T	Business Computer Information Systems I*	9	1	Keyboarding
0613	11911101	Introduction to Agriculture Science* F	9	1/2	
0614	11911102	Applied Agriculture Science S	9	1/2	
0659	12579104	Introduction to Transportation Services	9	1/2	
0665	12568103	Introduction to Cosmetology	9	1/2	
0690	12331321	Technology Systems	9	1	

506 Business Computer Information Systems I*

Two Semesters: Grade 9

***-Tech Prep College Credit**

Prerequisite: Keyboarding #501

Requirement for graduation - This course fulfills 1 credit of Technology Applications

Students apply technology skills to personal/workplace business situations focused on word processing, spreadsheet, database, telecommunications, desktop publishing, presentation management, networking, operating systems and emerging technologies. Students should complete the course with an intermediate skill level in word processing, spreadsheet and database applications.

613 Introduction to World Agricultural Science & Technology 101*

Fall semester: Grade 9

***-Tech Prep College Credit**

Required basic beginning course to all Agriculture classes. This course introduces students to the National FFA Organization by explaining the history and opportunities offered in the global Agriculture industry. Discussed in this course will be topics covering; leadership, personal finance, and skills needed to be successful in the agriculture field. Students taking the class will develop communications and public speaking skills and increase their knowledge of parliamentary procedure.

614 Applied Agricultural Science & Technology

Spring semester:

Grade 9

This course includes the study of soils, plants, animals, agricultural construction, food science, supervised agricultural experience programs, and career development.

659 Introduction to Transportation Service Careers

Fall or Spring Semester:

Grade 9

A course designed to provide a broad basic understanding of career opportunities and training requirements and introduce skills in six transportation-related service careers: aircraft mechanics, auto body and collision repair, automotive technology, diesel engine mechanics, small engine repair, and marine engine mechanics. Instruction includes safety and career opportunities.

665 Introduction to Cosmetology

Fall or Spring Semester:

Grade 9

This course will allow the student to explore such areas as hair styling, manicuring, shampooing and the principles of hair cutting, hair styling, hair coloring and facial makeup. The student will develop dexterity, a sense of style lines and an eye for color tones. Upon completion of this course, the student will have a better understanding of the art and science of beauty care. Students must register with the state Cosmetology Board to take this class. **Cost \$50**

690 Technology Systems

Two semesters:

Grade 9

Requirement for graduation - This course fulfills 1 credit of Technology Applications

This modular computer laboratory based course focuses on the areas of bio-related technology, communication, computer applications, construction, energy, power, transportation, and manufacturing. Two students will work at a station at a time. Students will build models as well as work on computer stations experiencing and developing skills that may be used in business and industry.

WISD Public Notification of Nondiscrimination in Career and Technology (Vocational) Education Programs

It is the policy of the Weatherford ISD not to discriminate on the basis of race, color, national origin, sex, or handicap in its career & technology (vocational) education 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.

Weatherford ISD offers Career and Technology Education programs in: Agriculture, Food & Natural Resources; Architecture & Construction; Business, Management & Administration; Education & Training; Health Science; Human Services; Law, Public Safety, Corrections & Security. Admission to these programs is based on interest and aptitude, age appropriateness, and class space available.

Weatherford 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 Richard Crosby, Director of Human Resources, at 1100 Longhorn Dr., 817-598-2836.

Notificación Pública del distrito escolar de Weatherford de no discriminación en sus programas educativos vocacionales en carrera y tecnología

Es política del distrito escolar de Weatherford no discriminar por motivos de raza, color, origen nacional, sexo o discapacidad, en los programas, servicios o actividades vocacionales, tal como lo requiere el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

El distrito escolar de Weatherford ofrece programas vocacionales en Agricultura; Alimentos & Recursos Naturales; Arquitectura & Construcción; Negocios; Gerencia & Administración; Educación & Entrenamiento; Ciencias de la Salud; Servicios Humanos; Leyes, Seguridad Pública, Correccionales & Seguridad. La admisión a estos programas se basa en interés y aptitud, edad apropiada, y espacio disponible en la clase.

El distrito escolar de Weatherford tomará las medidas necesarias para asegurar que la falta de habilidad en el uso del idioma inglés no sea un obstáculo para la admisión y participación en todos los programas educativos y vocacionales.

Para más información sobre sus derechos o procedimientos para quejas, comuníquese con Richard Crosby, administración y recursos humanos, al 1100 Longhorn Dr., 817-598-2836.

Career Pathways:

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