



Pecan Ridge/Cedar Mtn. Campus Career and Technical Education (CTE) Course Descriptions 2017-2018

MISD

MISD Disclaimer:

The contents of the Secondary School Information Guide are relevant to MISD Policy (LEGAL AND LOCAL), Regulation and Practice as of January 2016. For current information regarding district policy please refer to the Mullin Independent School District website at <http://pol.tasb.org/Home/Index/896/> or visit with your school counselor.

Specific school-related questions should be directed to campus staff. When a parent or guardian has a question or concern, he or she should contact the person who made the initial decision. After discussing the matter, if the concern continues, the principal should be contacted.

HIGH SCHOOL

Career and Technical Education Course Descriptions

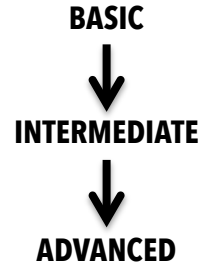
The Achieve Texas College and Career Initiative centers on establishing career clusters in schools as a strategy for improving high school completion rates and college and workforce readiness. It is based on the belief that the curricula of the 21st century should combine rigorous academics with relevant career education that incorporates the College Readiness Standards, personalized learning environments, academic and social support, relevant teaching and learning designed to promote postsecondary success, and effective educators and leaders.

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

Career and Technical Education (CTE) Cluster Areas

- Agriculture, Food and Natural Resources
- Arts, AV Technology and Communications
- Business Management
- Finance
- Health Science
- Hospitality and Tourism
- Human Services
- Law, Public Safety, Corrections and Security
- Marketing
- Career Development

Students take the courses included in a program of study in a coherent sequence to maximize the effectiveness of the learning. Course sequences have been developed by each campus.



- Business & Industry
- Public Service
- Arts & Humanities

Agriculture, Food, and Natural Resources Cluster

The Agriculture, Food, and Natural Resources Career Cluster focuses on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources. The FFA student organization contributes to the advancement of leadership, citizenship, personal growth, and academic and technological skills.

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES

GRADE: 9-12 CREDIT: 1

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

Career and Technical Education Course Descriptions

AGRIBUSINESS MANAGEMENT AND MARKETING

GRADE: 10-12 CREDIT: 1

Agribusiness Management and Marketing is designed to provide a foundation to agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness. To prepare for careers in agribusiness systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to agribusiness marketing and management and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

LANDSCAPE DESIGN AND MANAGEMENT

GRADE: 10-12 CREDIT: .5

Landscape Design and Management is designed to develop an understanding of landscape design and management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

FOOD TECHNOLOGY AND SAFETY

GRADE: 10-12 CREDIT: 1

Food Technology and Safety examines the food technology industry as it relates to food production, handling, and safety. To prepare for careers in value-added and food processing systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to value-added and food processing and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Arts, AV Technology and Communication Cluster

The Arts, Audio/Video Technology, and Communications Career Cluster focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content, including visual and performing arts and design, journalism, and entertainment services.

PROFESSIONAL COMMUNICATION

GRADES: 9-12 CREDIT: .5

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Business Management Cluster

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

BUSINESS INFORMATION MANAGEMENT I

GRADE: 9-12 CREDIT: 1

In Business Information Management I, 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.

Career and Technical Education Course Descriptions

BUSINESS ENGLISH

GRADE: 12 CREDIT: 1

PREREQUISITE: ENGLISH III In Business English, students enhance communication and research skills by applying them to the business environment, in addition to exchanging information and producing properly formatted business documents using emerging technology

Finance Cluster

The Finance Career Cluster focuses on planning, services for financial and investment planning, banking, insurance, and business financial management.

MONEY MATTERS

GRADES: 9-12 CREDIT: 1

In Money Matters, students will investigate money management from a personal financial perspective. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocating, risk management, retirement planning, and estate planning.

STATISTICS AND BUSINESS DECISION MAKING

GRADES: 11-12 CREDIT: 1

PREREQUISITES: Algebra II Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid. This Course satisfies a high school mathematics Graduation Requirement.

Health Science Cluster

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development.

MEDICAL TERMINOLOGY

GRADES: 9-12 CREDIT: 1

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

ANATOMY AND PHYSIOLOGY

GRADES: 10-12 CREDIT: 1

PREREQUISITE: BIOLOGY AND SECOND SCIENCE CREDIT The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. This course satisfies a high school graduation requirement.

Hospitality and Tourism Cluster

The Hospitality and Tourism Career Cluster focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services.

Career and Technical Education Course Descriptions

Career Development

Career Development

PROJECT BASED RESEARCH GRADES: 11-12 CREDIT: 1

Project-Based Research is a course for students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests. Students use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

CAREER PREPARATION I

GRADES: 11-12 CREDIT: 2

Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

CAREER PREPARATION II

GRADES: 12 CREDIT: 2

PREREQUISITE: CAREER PREPARATION I

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.

MISD Graduation Plans and EOC requirements for Students, cont.

Mullin Pecan Ridge/ Cedar Mountain 2017-1018

Business & Industry Endorsement	STEM Endorsement	Public Service Endorsement	Multi-disciplinary Endorsement
<p>Ag Mgmt. Pathway</p> <ul style="list-style-type: none"> <input type="checkbox"/> Prin. of AFNR <input type="checkbox"/> Agribusiness Mgmt. <input type="checkbox"/> Landscape Design & Mgmt. <input type="checkbox"/> Professional Communication <input type="checkbox"/> Problem Based Research <p>Business Mgmt. Pathway</p> <ul style="list-style-type: none"> <input type="checkbox"/> Prin. of AFNR <input type="checkbox"/> BIM I <input type="checkbox"/> Business English <input type="checkbox"/> Stats and Bus. Dec. Making <input type="checkbox"/> Entrepreneurship <p>Hospitality Pathway</p> <ul style="list-style-type: none"> <input type="checkbox"/> Prin. of Hum. Serv. <input type="checkbox"/> Lifetime Nutrition & Wellness <input type="checkbox"/> Dollars & Sense <input type="checkbox"/> Food Technology & Safety <input type="checkbox"/> Food Science <input type="checkbox"/> Career Prep I 	<p>STEM – SCIENCE Pathway I</p> <ul style="list-style-type: none"> <input type="checkbox"/> Biology <input type="checkbox"/> IPC <input type="checkbox"/> Physics <input type="checkbox"/> Forensic Science <input type="checkbox"/> Food Science 	<p>Health Science Pathway</p> <ul style="list-style-type: none"> <input type="checkbox"/> Principles of Human Services <input type="checkbox"/> Medical Terminology <input type="checkbox"/> Professional Communication <input type="checkbox"/> Lifetime Nutrition & Wellness <input type="checkbox"/> Anatomy & Phy. <input type="checkbox"/> Forensic Science 	<ul style="list-style-type: none"> <input type="checkbox"/> Physics <input type="checkbox"/> Algebra II <input type="checkbox"/> Prin. of Human Services <input type="checkbox"/> Money Matters <input type="checkbox"/> Career Preparation I <input type="checkbox"/> Career Preparation II <div style="background-color: #cccccc; padding: 5px; text-align: center; margin-top: 20px;"> Certifications </div> <hr style="border: 0; border-top: 1px solid black; margin: 10px 0;"/> <hr style="border: 0; border-top: 1px solid black; margin: 10px 0;"/> <hr style="border: 0; border-top: 1px solid black; margin: 10px 0;"/> <hr style="border: 0; border-top: 1px solid black; margin: 10px 0;"/> <hr style="border: 0; border-top: 1px solid black; margin: 10px 0;"/> <hr style="border: 0; border-top: 1px solid black; margin: 10px 0;"/>

HIGH SCHOOL