

# CAREER & TECHNICAL EDUCATION ELECTIVES

COURSE NAME	COURSE NUMBER	GRADE PLACEMENT				UNIT CREDIT	PREREQUISITE
		9	10	11	12		
<b>AGRICULTURE SCIENCE CAREER CLUSTER</b>							
Principles of Agriculture, Food & Natural Resources	5100	X	X	X	X	1	None
Equine Science	5135		X	X	X	.5	Recommended: Principles of Agriculture, Food & Natural Resources
Livestock Production	5185		X	X	X	.5	Recommended: Principles of Agriculture, Food & Natural Resources
Veterinary Medical Applications	5105		X	X	X	1	Recommended: Principles of Agriculture, Food & Natural Resources
Advanced Animal Science (To be used as 4th year Science credit. Must have completed 3 Science credits)	5155				X	1	Recommended 1 of 3: Veterinary Medical Applications, Livestock Production or Equine Science
Professional Standards in Agribusiness	5115	X	X	X	X	.5	None
Agribusiness Management and Marketing	5120		X	X	X	.5	Recommended: Principles of Agriculture, Food & Natural Resources
Mathematical Applications in Agriculture, Food & Natural Resources	5125			X	X	1	Recommended: Principles of Agriculture, Food & Natural Resources
Wildlife, Fisheries and Ecology Management	5165		X	X	X	1	Recommended: Principles of Agriculture, Food & Natural Resources
<b>ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS CAREER CLUSTER</b>							
Audio/Video Production	7108	X	X	X	X	1	None
Advanced Audio/Video Production	7100		X	X	X	2	Audio/Visual Production with 85 or above, formal interview, production reel
Practicum in Audio/Video Production	7125			X	X	2	Advanced Audio/Video Production with 85 or above, formal interview, production reel
Professional Communications (1 credit of Professional Communications can be substituted for the required .5 credit of Speech.)	7220			X	X	1	Previous successful completion of other Audio/Visual Production courses and teacher recommendation

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<b>BUSINESS MANAGEMENT AND ADMINISTRATION CAREER CLUSTER</b>							
Principles of Business, Marketing, Finance & Information Technology	5000	X	X	X	X	1	None
Touch System Data Entry	5005	X	X			.5	None
Business Information Management	5010	X	X	X	X	1	Recommended: Principles of Business, Marketing, Finance & Information Technology
Global Business	5065	X	X	X	X	1	None
Practicum in Business Management (Co-op class)	5518			X	X	3	Must provide own transportation
<b>FINANCE CAREER CLUSTER</b>							
Principles of Business, Marketing, Finance & Information Technology	5000	X	X	X	X	1	None
Insurance Operations	5035		X	X	X	.5	Principles of Business, Marketing, Finance & Information Technology
Securities & Investment	5045		X	X	X	.5	Principles of Business, Marketing, Finance & Information Technology
Accounting	5050		X	X	X	1	None
Statistics & Risk Management (May count as 4th year Math credit)	5055				X	1	Accounting I & Algebra II
<b>HEALTH SCIENCE CAREER CLUSTER</b>							
Medical Science (1 credit of Medical Science can be substituted for the required .5 credit of Health.)	5430		X	X	X	1	Biology
Medical Terminology	4845			X	X	.5	Biology
Medical Microbiology	4865			X	X	.5	Biology
Clinical Practicum in Health Science	5450			X	X	2	Medical Science & must provide own transportation
Medical Internship Practicum	5435				X	2	Clinical Practicum in Medical Science & must provide own transportation
Anatomy & Physiology	4610			X	X	1	Biology, Chemistry and meet TAKS requirements
<b>HOSPITALITY CAREER CLUSTER</b>							
Principles of Hospitality & Human Services	5300	X	X	X	X	1	None
Lifetime Nutrition & Wellness	5330	X	X	X	X	1	None
Culinary Arts	5340		X	X	X	2	Lifetime Nutrition & Wellness

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<b>HUMAN SERVICES CAREER CLUSTER</b>							
Principles of Hospitality & Human Services	5300	X	X	X	X	1	None
Lifetime Nutrition & Wellness	5330	X	X	X	X	1	None
Child Development	5370	X	X	X	X	1	None
Fashion Design	5325	X	X	X	X	1	None
Interior Design	5315	X	X	X	X	1	None
<b>INFORMATION TECHNOLOGY CAREER CLUSTER</b>							
Principles of Business, Marketing, Finance & Information Technology	5000	X	X	X	X	1	None
Digital & Interactive Media	5087		X	X	X	1	Recommended: Principles of Business, Marketing, Finance & Information Technology
Web Technologies	5034	X	X	X	X	1	None
<b>MARKETING CAREER CLUSTER</b>							
Principles of Business, Marketing, Finance & Information Technology	5000	X	X	X	X	1	None
Advertising & Sales Promotion	5060		X	X	X	1	None
Practicum in Marketing (Co-op class)	5508			X	X	3	Must provide own transportation
<b>SCIENCE, TECHNOLOGY, ENGINEERING &amp; MATHEMATICS CAREER CLUSTER</b>							
Introduction to Engineering Design	5220	X	X	X	X	1	None
Principles of Engineering	5215	X	X	X	X	1	Recommended: Intro to Engineering Design
Digital Electronics	5205		X	X	X	1	Algebra I & Intro to Engineering Design
Civil Engineering & Architecture	5230		X	X	X	1	Intro to Engineering Design or Principles of Engineering
Computer Integrated Manufacturing	5255		X	X	X	1	Intro to Engineering Design
Engineering D&D	5240			X	X	1	Civil Engineering & Architecture and/or Computer Integrated Manufacturing

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<b>SCIENCE, TECHNOLOGY, ENGINEERING &amp; MATHEMATICS CAREER CLUSTER</b>							
Engineering Design & Presentation (Counts as Science credit)	5245	X	X	X	1	Intro to Engineering Design	
Engineering Mathematics (To be used as 4th year Math credit. Must have completed 3 Math credits)	5250			X	X	1	Algebra I
Technological Principles (Counts as Science credit)	4650			X	X	1	Biology and IPC (or Chemistry), Algebra I
Independent Study Mentorship (Counts as AP course for grade points earned and as a 4th year science credit)	0030 ISM I 0035 ISM II 0038 ISM III	X	X	X	1	Approval & application required	