

Agriculture, Food, and Natural Resources Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
Int. to World Ag	Principles of Ag Fd and Nat. Resources	13000200	9					1
Applied Ag. Sc. & Tec.	"	"						
Ag. Metal Fab. Tech.	Ag. Facilities Design & Fabrication	13002300	10					1
Int. to Ag. Mech.	Ag. Mech. Metal Tech	13002200	11					1
Ag. Mechanics	Practicum In Ag.	13002500	12					2
Animal Science	Livestock Production	13000300	10					0.5
	Small Animal Mgmt	13000400	10					0.5
	Veterinary Medical Appl	13000600	11					1
Advanced Animal Sc.	Advanced Animal Sci.	13000700	12	A		D, R		1
	Professional Standards in Ag	13000800	10					1
	AgriBusiness Mgmt & Mrk	13000900	11	A				1
	Math App. In Ag Food & Nat. Resour	13001000	12		M, R			1

Suggested Coherent Sequence for Agriculture - Three different pathways in this cluster are shown. Principles of Agriculture, Food and Natural Resources must be taken with each pathway. Advanced Animal Science could be used as a Science Credit. Math Applications in Agriculture, Food & Natural Resources could be used as a Math Credit.

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Architecture and Construction Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
	Principles of Architecture and Construction	13004200	9					0.5
	Interior Design	13004300	9					0.5
Building Trades I	Construction Technology	13005100	10					1
Building Trades II	Advanced Construction Technology	13005200	11					2
Building Trades III	Practicum in Construction Mgmt.	13006200	12					2
	HVAC Refrigeration Tech.	13005800	11	D				2
	Advanced HVAC Refrigeration Tech.	13005900	12	D				2
	Electrical Tech.	13005600	11	D				2
	Advanced Electrical Tech.	13005700	12	D				2

Dual Courses with South Texas College

Suggested Coherent Sequence for Architecture - Three different pathways in this cluster are shown. Principles of Architecture and Construction must be taken with each pathway.

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Art, A/V Technology, and Communication

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Speech	Lic. / Cert.	Credit
Intro. To Media Tech	Principles of Arts, A/V Tech. & Comm.	13008200	9						0.5
	Professional Communications	13009900	9				M,R, D		0.5
Media Tech I	Audio Video Production	13008500	10	A					1
Media Tech II	Advanced Video Production	13008600	11	A					2
	Practicum in Audio Video Production I	13008700	12	A					2

Suggested Coherent Courses for Arts, A/V Technology and Communication.
 Professional Communications could be used as a Speech Credit. Certification forthcoming.

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Business Management Administration

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. /Cert.	Credit
	Principles of Bus. Marketing & Finance	13011200	9					0.5
Keyboarding	Touch System Data Entry	13011300	9					0.5
BCIS I	Business Information Mgmt I	13011400	10	A			mous	1
BCIS II	Business Information Mgmt II	13011500	11,12	A/D			mous	1
Administrative Procedures	Business Management	13012100	11,12	A/D				2

Dual Courses with South Texas College

Suggested Coherent Sequence of Courses for Business Management Administration.

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Education and Training Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. /Cert.	Credit
	Principles of Education & Training	13014200	9					1
	Human Growth & Development	13014300	10					1
Ready, Set, Teach I	Instructional Practices in Education & Training	13014400	11	A				1
Ready, Set, Teach II	Practicum In Education & Training I	13014500	12	A				2

Suggested Coherent Sequence of Courses for Education and Training Cluster.

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Finance Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. /Cert.	Credit
Intro. To Bus.	Principles of Bus. Marketing, and Finance	13011200	9					1
Banking & Financial Systems	Banking And Financial Services	13016300	10	A				1
Acct. I	Accounting I	13016600	11	A/D				1
Acct. II	Accounting II	13016700	12	A/D				1
4th Math Credit	Statistics and Risk Mgmt	13016900	12		M, R, D			1

Dual Courses with South Texas College

Suggested Coherent Sequence of Courses for Finance Cluster.

Statistics and Risk Mgmt. can be used as a 4th Math Credit and could be taken in conjunction with Acct. II

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Health Science Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
Intro to Health Sci & Health Sci. I	Principles of Health Science	13020200	9					0.5
Medical Terminology	Medical Terminology	13020300	9	A				0.5
Health Science Tech II	Health Science	13020400	10	A				2
Health Science Tech III	Practicum in Health Science	13020500	11	A			Pharm. Tech	2
Anatomy & Physiology	Anatomy & Physiology	13020600	12			R,D		1

Suggested Coherent Sequence for Health Science Cluster.
 Anatomy & Physiology can be used as a 4th Science Credit.

Additional Staff may be required.

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Hospitality and Tourism Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
	Principles of Hospitality and Tourism	13022200	9					1
Food Prod, Mgmt, & Services	Restaurant Management	13022400	10					1
"	Culinary Arts	13022600	11	A				1
	Practicum in Culinary Arts	13022700	12	A				2
Food Science & Tech.	Food Science	13023000	12			D, R		1

Suggested Coherent Sequence of Courses for Hospitality and Tourism Cluster.
Food Science can be used as a Science Credit.

*New Teacher Certification requirements needed to teach Culinary Arts.
Additional Staff may be required.

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Human Services Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
Personal & Family Dev.	Principles of Human Services	13024200	9					1
Intro to Cosmo	Intro to Cosmetology	13025100	10					1
Cosmetology I	Cosmetology I	13025200	11					3
Cosmetology II	Cosmetology II	13025300	12					3
Nutrition and Food Science	Lifetime Nutrition and Wellness	13024500	10					1
Prep for Parenting	Child Development	13024700	11	A				1
	Child Guidance	13024800	12	A				1

Suggested Coherent Sequence of Courses for Human Services Cluster. .
 Two different pathways are shown. Principles of Human Services must be taken with each pathway.

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Information Technology Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
Computer Maintenance	Principles of Information Tech	13027200	9	A				1
Tele. & Net./ Cabling	Telecommunication & Networking	13027400	10	A				1
Computer Maintenance I	Computer Maintenance	13027300	11	A/D				2
Computer Maintenance II	Computer Technician	13027500	12	A/D				2
New Course	Web Technologies	13027900	10	A				1
Business Image & Multimedia	Digital & Interactive Multimedia	13027800	11,12	A/D				1
Bus Comp Prog I	Computer Programming	13027600	11					1
Bus Comp Prog II	Advanced Programming	13027700	12					1

Dual Courses with South Texas College

Suggested Coherent Sequence of Courses for Information Technology.
 Three different pathways are shown. Principles of Information Technology must be taken with each pathway.

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Law, Public Safety, Corrections, Security Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
Fund. Of Criminal Law	Principles in Law, Public Safety, Corrections, & Security	13029200	9					1
Intro to Criminal Justice, Cri. Inv.	Law Enforcement I	13029300	10					1
Courts and Criminal Procedures	Court Systems and Practices	13029600	11					1
Criminal Justice Preceptorship	Practicum in Law, Public Safety, Corrections & Security	13030100	12					2
Basic County Correction Officer	Correctional Services	13029700	11	A				1
Correctional Systems & Practices	"							
Criminal Justice Preceptorship	Practicum in Law, Public Safety, Corrections & Security	13030100	12					2
Intro to Security Services	Security Services	13029800	11	A				1
Security Services								
Criminal Justice Preceptorship	Practicum in Law, Public Safety, Corrections & Security	13030100	12					2
Forensic Science-Innovative	Forensic Science	13029500	11	A		R, D		1
Emergency Communications	Law Enforcement II	13029400	12					2

Forensic Science could be used as a Science Credit.

Suggested Coherent Sequence of Courses for Law, Public Safety, Corrections, Security Cluster.

Four pathways are shown. Principles in Law, Public Safety, Corrections & Security and Law Enforcement I must be taken with each pathway.

Additional Staff may be required.

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Manufacturing Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
Tech Systems	Principles of Manufacturing	13032200	9					1
Machine Shop I	Precision Metal Manufacturing	13032500	10					2
Machine Shop II	Advanced Precision Metal Manufac.	13032600	11	D				2
New Course	Practicum in Manufacturing	13033000	12	D				2

Dual Courses with South Texas College

Suggested Coherent Sequence of Courses for Manufacturing Cluster.

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Science, Technology, Engineering Mathematics Cluster

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
	Project Lead The Way							
Introdcuton to Engineering Design	Introduction to Engineering Design	N1303742	9					1
Principles of Engineering	Principles of Engineering	N1303743	10	A				1
Digital Electronics	Digital Electronics	N1303744	11	A				1
Engineering Design & Dev.	Engineering Design & Dev.	N1303749	12					1
	Engineering Mathematics	13036700	12		M, R, D			1
Applied Technology	Concepts of Engineering and Tech.	13036200	9					1
Eng. Computer Aided Draft. I	Engineering Design & Presentation	13036500	11	A/D				2
Eng. Computer Aided Draft. Ii	Advanced Engineering Design & Pres.	13036600	12	A/D				2
Scientific Research & Design	Scientific Research & Design	13037200	12			R,D		1

Dual Courses with South Texas College

Suggested Coherent Sequence of Courses for Science, Technology, Engineering, Mathematics Cluster. Two different pathways are shown.

Scientific Research & Design could be used as a Science Credit.
Engineering Math could be used as a Math Credit.

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Transportation, Distribution, and Logistics

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
Int. to Transportation Careers	Principles of Transportation, Dist.&Log.	13039200	9,10					0.5
	Energy, Power, & Transportation Syst	13039300	9,10					0.5
Auto. Collision Repair & Ref. Tech I	Collision Repair & Refinishing	13039800	11					2
Auto. Collision Repair & Ref. Tech II	Advanced Collision Repair & Refinishing	13039900	12					2
Automotive Technician I, II	Automotive Technology	13039600	11	D				2
Automotive Technician III	Advanced Automotive Technology	13039700	12	D				2
Small Engine Repair I	Small Engine Technology	13040000	11					2
Small Engine Repair II	Advanced Small Engine Technology	13040100	12					2

Dual Courses with South Texas College

Suggested Coherent Sequence of Courses for Transportation, Distribution, & Logistics Cluster.
 Three different pathways are shown. Principles of Transportation, Dist. & Log. and Energy, Power, Transportation Systems courses must be taken with each pathway.

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Sub Chapter B. High School

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
DCP I	Career Preparation I	12701300	11					3
DCP II	Career Preparation II	12701400	12					3
	Problems & Solutions ?	12701500						
	Problems & Solutions II ?	12701510						

Suggested Coherent Sequence of Courses.

Replace Mrs. E. Salinas Position. Limit total enrollment to a maximum of 75 students
 Students enrolled in these courses must presently be employed.
 Site supervision requires 2 class periods besides planning period.

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Middle School CTE Courses

Present Course Title	2010-11 Course	PEIMS Code	Grade Level	ATC/Dual	Math	Science	Lic. / Cert.	Credit
Career Investigations	Exploring Careers	12700300	7 & 8					
Keyboarding	Touch System Data Entry	13011300	7 & 8					
CTED-Skills for Living	CTED-Principles of Human Services	13024200	7 & 8					
CTED-Building Trades	CTED- Principles of Architecture & Construction	13004200	7 & 8					
Technology Systems	Career Portals (STEM)	12700400	7					
Gateway to Technology	Gateway to Technology	N1303741	8					