

**BOERNE ISD CAREER & TECHNICAL EDUCATION
2018-2019 COHERENT SEQUENCE OF COURSES**

CLUSTER	PATHWAY	COURSE SEQUENCE
Agriculture, Food and Natural Resources <u>Business & Industry Endorsement</u>	Agriculture Mechanics	Principles of Agriculture, Food and Natural Resources (1 credit) OR Principles of Manufacturing (1 credit) Agriculture Mechanics and Metal Technologies (1 credit) Agriculture Equipment and Design Fabrication and Lab (2 credits) Practicum in Agriculture, Food and Natural Resources^ (2 credits)
	Animal Science	Principles of Agriculture, Food and Natural Resources (1 credit) Livestock Production (1 credit) OR Equine Science (.5 credit) AND Small Animal Management (.5 credit) Veterinary Medical Applications (1 credit) Advanced Animal Science (1 credit)
	Plant Science	Principles of Agriculture, Food and Natural Resources (1 credit) Horticulture Science (1 credit) <i>2019-2020: Additional Plant Science Course(s) TBD</i>
Architecture and Construction <u>Business & Industry Endorsement</u>	Architecture	Principles of Architecture (1 credit) Architectural Design I (1 credit) Architectural Design II (2 credits) Practicum in Architectural Design^ (2 credits)
	Construction	Principles of Construction (1 credit) Construction Management I (2 credit) Construction Management II (2 credits) Practicum in Construction Management^ (2 credits)
Arts, A/V Technology and Communications <u>Business & Industry Endorsement</u>	Animation	Principles of Arts, A/V Technology and Communications (1 credit) Animation I (1 credit) Animation II & Lab (2 credits) Practicum in Animation^ (2 credits)
	Audio/Video Production	Principles of Arts, A/V Technology and Communications (1 credit) Audio/Video Production I (1 credit) Audio/Video Production II & Lab (2 credits) Practicum in Audio/Video Production^ (2 credits)
	Graphic Design	Principles of Arts, A/V Technology and Communications (1 credit) Graphic Design and Illustration (1 credit) Graphic Design and Illustration II & Lab (2 credits) Practicum in Graphic Design and Illustration^ (2 credits)
Business and Marketing <u>Business & Industry Endorsement</u>	Business	Principles of Business, Marketing and Finance (1 credit) Business Information Management I (1 credit) Business Information Management II & Lab (2 credits) Practicum in Business Management^ (2 credits)
	Marketing	Principles of Business, Marketing and Finance (1 credit) Sports and Entertainment Marketing (.5 credit) AND Social Media Marketing (.5 credit) Entrepreneurship (1 credit)
	Finance	Principles of Business, Marketing and Finance (1 credit) Money Matters (1 credit) OR Financial Mathematics (1 credit) Accounting I (1 credit) Accounting II (1 math credit)

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Education and Training <u>Public Services Endorsement</u>	Education and Training	Principles of Education and Training (1 credit) Human Growth and Development (1 credit) Instructional Practices (2 credits) Practicum in Education and Training^ (2 credits)
Health Science <u>Public Services Endorsement</u>	Health Science	Principles of Health Science (1 credit) Medical Terminology (1 credit) Health Science Theory (1 credit) AND Anatomy and Physiology (1 credit) Practicum in Health Science^ (2 credits)
Hospitality and Tourism <u>Business & Industry Endorsement</u>	Culinary Arts	Introduction to Culinary Arts (1 credit) Culinary Arts <i>Accelerated</i> (2 credits; 1 class period) Advanced Culinary Arts (2 credits) Practicum in Culinary Arts^ (2 credits)
Human Services <u>Public Services Endorsement</u>	Human Services	Principles of Human Services (1 credit) OR Principles of Education and Training (1 credit) Child Development (1 credit) Family and Community Services (1 credit) Practicum in Human Services^ (2 credits)
	Fashion Design	Principles of Arts, A/V Tech and Communication (1) OR Principles of Human Services (1 credit) Fashion Design I (1 credit) Fashion Design II & Lab (2 credits) Practicum in Fashion Design^ (2 credits)
	Interior Design	Principles of Architecture (1 credit) OR Principles of Human Services (1 credit) Interior Design I (1 credit) Interior Design II (2 credits) Practicum in Interior Design^ (2 credits)
Information Technology <u>Business & Industry Endorsement</u>	Computer Science	Principles of Information Technology (1 credit) <i>2019-2020: Additional Information Technology Course(s) TBD</i>
Manufacturing <u>Business & Industry Endorsement</u>	Manufacturing	Principles of Manufacturing (1 credit) Welding I (1 credit) Welding II & Lab (2 credits) Practicum in Manufacturing^ (2 credits)
STEM <u>Science, Technology, Engineering and Mathematics Endorsement</u>	Engineering	Principles of Applied Engineering (1 credit) Engineering Design and Presentation I (1 credit) Engineering Design and Presentation II (2 credits) Practicum in Science, Technology, Engineering and Mathematics^ (2 credits)
Transportation, Distribution and Logistics <u>Business & Industry Endorsement</u>	Automotive	Automotive Basics (Principles course, 1 credit) Automotive Technology I (2 credits) Automotive Technology II (2 credits) Practicum in Transportation Systems^ (2 credits)