CAREER CLUSTERS

Opportunities after high school are endless for those who prepare well. Students who plan their high school years wisely and take advantage of the learning opportunities extended to them during high school are better able to determine their college and career pursuits with confidence. In addition, those students who apply themselves in high school by taking and completing challenging courses position themselves well to take advantage of a variety of college and career opportunities upon graduation.

The following pages provide students with a better understanding of the various careers that are available today. Careers are listed by "cluster" so that students may explore a wide range of options associated with their interests. Information regarding which high school courses students should take to prepare well for a particular field and various associated college majors and programs are also included.

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Career Cluster: Agriculture, Food & Natural Resources

Careers	Animal Caretaker Agricultural Educator Botanist Ecologist Farm Manager Fish & Game Officer	Meat Science Re Horticulture Landscape Archi Design Landscape Maint Floral Design Natural Areas Ma	roduce Recyclin Wildlife tenance Veterina anager	er Buyer ng Technician e Biologist
	9 th grade	10 th grade	11 th grade	12 th grade
Required High	OWC	World Literature	American Literature	English Elective
School Courses	Algebra 1 (or higher)	Geometry (or higher)	Algebra 2 (or higher)	Government
	Biology	Chemistry	Physics	PE
	Social Studies	World History	US History	
	PE	PE, Health	PE	
	Computer Tech	Driver Ed		
Recommended		Foods & Nutrition	Foods & Nutrition	Foods & Nutrition
or related		1 & 2	1 & 2	1 & 2
pathway			Environmental	Environmental
courses offered			Ecology 1 & 2	Ecology 1 & 2
at ZB			AP Environmental	AP Biology
			Science	AP Environmental
				Science
Tech Campus			Culinary Arts	Culinary Arts
related pathway				
courses				
4 year college	Animal Health	~ .	Landscape Architect & Design	
majors	Agricultural Education	n Services	Botanist	
	Animal Nutrition		Horticulture	
	Animal Training		Wildlife Biologist	
CI C D	TT .: 1,		Veterinarian	
CLC Programs	Horticulture		Floral Design	
	Sustainable Agricultu	re	Arboriculture	
	Landscape Design		Natural Areas Management	
	Landscape Maintenan	ce	Veterinarian Technici	an

Career Cluster: Architecture & Construction

Careers	Architect	Demolition Engine	eer HVAC N	Mechanic
Carcers	Builder	Drafter Drafter	Plumber	rechanic
	Carpenter	Drywaller	Project I	nspector
	Civil Engineer	Electrician	Roofer	inspector
	Construction	Electrical Systems		etal Worker
	Contractor	Equipment Materia		
	Foreman/Manager	Equipment Materia	ai Managei The Sew	
	9 th grade	10 th grade	11 th grade	12th grade
Required	OWC	World Literature	American Literature	English Elective
Courses		Geometry (or higher)	Algebra 2 (or higher)	Government
Courses	Algebra 1 (or higher)	Chemistry		PE
	Biology Social Studies		Physics US History	FE
	PE	World History PE, Health	PE	
		Driver Ed	FE	
Recommended	Computer Tech Woods 1 & 2	Woods 1 & 2	Woods 1 & 2	Woods 1 & 2
or related	Metals 1 & 2	Metals 1 & 2	Metals 1 & 2	Metals 1 & 2
pathway	Pre-Engineering	Pre-Engineering	Pre-Engineering	Pre-Engineering
courses offered	Pre-Architecture	Pre-Architecture	Pre-Architecture	Pre-Architecture
at ZB	Electronics 1 & 2	Electronics 1 & 2	Electronics 1 & 2	Electronics 1 & 2
at LD	Liectionics 1 & 2	Electronics 1 & 2	Engin/Architecture	Engin/Architecture
			Intro to Carpentry	Intro to Carpentry
			muo to Carpenu y	College Algebra
				Readiness
				Pre-Calculus
				Pre-Calculus Pre-Calculus
				Honors
				AP Calculus
				AP Physics
Tech Campus			Construction Skills	Construction Skills
related pathway			& Management	& Management
courses			Civil Engineering	Civil Engineering
			& Architecture	& Architecture
			Welding	Welding
4 year College	Architecture/Building	Sciences	Building Managemen	
Majors	Architectural Drafting		Civil Engineering	
· ·	Architectural Engine	ering	Construction Manager	ment
	Architectural History	/Critic	Drafting/Design Tech	
	Architectural Tech		Energy Management	
	Architect		Landscape Architectu	re
	Building Construction	1	Mechanical Drafting	
CLC Programs	Architectural Tech		Electrical Engineering	g Tech
	CAD Drafting Tech		HVAC Tech	
	Civil Engineering Tec	ch	Welding	
	Construction Manage			

Career Cluster: Arts, Audio Visual Technology & Communication

C	A stin s	Editor	Publishe	
Careers	Acting			
	Art Director	Fashion Designer		
	Artist	Furnishing Coord		Television
	Audio Video Operator	9	Announ	
	Broadcast Technician	Journalist	Reporter	
	Computer Animator	Musician	Research	ner
			Writer	
	9 th grade	10 th grade	11 th grade	12 th grade
Required	OWC	World Literature	American Literature	English Elective
Courses	Algebra 1 (or higher)	Geometry (or higher)	Algebra 2 (or higher)	Government
	Biology	Chemistry	Physics	PE
	Social Studies	World History	US History	
	PE	PE, Health	PE	
		Driver Ed	1 L	
	Computer Tech	Direct Ed		
Recommended	Yearbook	Yearbook	Journalism	AP Studio Art
or related	Journalism	Journalism	Yearbook	Journalism
pathway	Intro to Television	Intro to Television	Creative Writing	Yearbook
courses offered	Television	Television	1 & 2	Creative Writing
at ZB	Intro to Art	ZB TV Media Prod	Rhetoric & Comp	1 & 2
at LD			_	
	3D Sculpture 1 & 2	Intro to Art	Public Speaking	Rhetoric & Comp
	Calligraphy	3D Sculpture 1 & 2	Intro to Television	Public Speaking
	Ceramics 1 & 2	Calligraphy	Television	Intro to Television
	Graph Art Design	Ceramics 1 & 2	ZB TV Media Prod	Television
	1 & 2	Graph Art Design	Photography	ZB TV Media Prod
	Drawing 1 & 2	1 & 2	Intro to Art	Photography
	Jewelry 1 & 2	Drawing 1 & 2	3D Sculpture 1 & 2	Intro to Art
	Painting 1 & 2	Jewelry 1 & 2	Calligraphy	3D Sculpture 1 & 2
	Acting 1 & 2	Painting 1 & 2	Ceramics 1 & 2	Calligraphy
	Intro to Theater	Acting 1 & 2	Graph Art Design	Ceramics 1 & 2
	Survey of Art &	Intro to Theater	1 & 2	Graph Art Design
	Music	Survey of Art &	Drawing 1 & 2	1 & 2
	Beginning Guitar	Music Music	Jewelry 1 & 2	Drawing 1 & 2
			Painting 1 & 2	_
	Symphonic Band	Beginning Guitar	<u> </u>	Jewelry 1 & 2
	Wind Ensemble	Symphonic Band	Acting 1 & 2	Painting 1 & 2
	ZB Chorus	Wind Ensemble	Intro to Theater	Acting 1 & 2
	Adv. Treble Choir	ZB Chorus	Survey of Art &	Intro to Theater
	Concert Choir	Adv. Treble Choir	Music	Survey of Art &
	Sweet Harmony	Concert Choir	Beginning Guitar	Music
	Singers		Symphonic Band	Beginning Guitar
	Chamber Singers		Wind Ensemble	Symphonic Band
			ZB Chorus	Wind Ensemble
			Sweet Harmony	ZB Chorus
			Singers	Sweet Harmony
			Chamber Singers	Singers
			Similion Singois	Chamber Singers
				Chamber Singers

Tech Campus				Graphic & We	b	Graphic & Web
related pathway				Design		Design
courses				Photographic		Photographic
				Design		Design
4 year college	Acting		Illustration		Radio	& Television
majors	Applied Arts		Journalism		Radio	, Television &
	Cinematography		Interior Des	ign	Digita	1 Communication
	Creative Writing		Music		Speec	h Communications
	Commercial Photograp	phy	Music Tech	nology	Techn	ical & Business
	Fashion/Apparel Design	gn	Publishing		Writin	ıg
	Film/Cinema/Video St	tudies	Photographi	c & Film	Theate	er
	Graphic Design				Visual	Performing Arts
					Video	Technology
CLC Programs	English			Music		
	Journalism			Digital Media	& Desig	gn
	Art		Digital A/V Production & Editing			n & Editing
	Theater			Technical Con	munica	ntion

Career Cluster: Business, Management, Marketing & Finance

Сомоома	Actuary	Componete Train	Off.	Goo Monogor	
Careers	Actuary Administrative Assist	Corporate Train tant Economist		rice Manager sonnel Recruiter	
	Advertising Sales	Logistics/Suppl	-	olic Relations	
	Auditor	Manager Entrep		nager	
	Business Consultant	Finance Directo		es Representative	
	Certified Public	Human Resource	_	nolesale/Retail Buyer	
	Accountant	Marketing Anal	•		
	9 th grade	10 th grade	11 th grade	12 th grade	
Required	OWC	World Literature	American Literature	English Elective	
Courses	Algebra 1 (or higher)	Geometry (or higher)	Algebra 2 (or higher)	Government	
	Biology	Chemistry	Physics	PE	
	Social Studies	World History	US History		
	PE	PE, Health	PE		
	Computer Tech	Driver Ed			
Recommended	Business Concepts	Public Speaking	Sociology	College Algebra	
or related		Business Concepts	Accounting	Readiness	
pathway		_	Marketing	Pre-Calculus	
courses offered			Entrepreneurship	Pre-Calculus	
at ZB			Business Law	Honors	
			Web Design	AP Calculus	
			Public Speaking	AP Statistics	
			Adult Living	Financial Algebra	
			Tradit 21 mg	1 & 2	
				Psychology 1 & 2	
				Sociology 1 & 2	
				AP Psychology	
				Accounting	
				Marketing	
				Entrepreneurship	
				Business Law	
				Web Design	
				_	
				Public Speaking	
Task Carrer			Carabia Darian	Adult Living	
Tech Campus			Graphic Design	Graphic Design	
related pathway			Photo Design	Photo Design	
courses	A street in 1 C .	II D	_ D 1		
4 year College	Actuarial Science	Human Resource		ing/Procurement	
Majors	Accounting	Finance		s/Supply Chain	
	Advertising	International Bus		ment Info Systems	
	Arts Management	Marketing		ons Management	
	Business Administrat	$\boldsymbol{\mathcal{E}}$			
	Entrepreneurship	Communication	<u> </u>	ational Leadership	
CLC Programs	Accounting		Small Business Mana	gement	
	Administrative Office	e Systems	Sales		
	Supervision		Marketing		

Career Cluster: Education & Training

Required Courses	Administrator Child Care Worker Coach College/University Faculty Counselor 9th grade OWC Algebra 1 (or higher) Biology Social Studies	Curriculum Dire Elementary Teac Middle School T High School Tea Principal 10 th grade World Literature Geometry (or higher) Chemistry World History	cher Libraria Ceacher Parapro	Education Teacher n fessional Educator 12 th grade English Elective Government PE
	PE	PE, Health	PE	
Recommended or related pathway courses offered at ZB	Computer Tech Family/Consumer Science Careers	Priver Ed Family/Consumer Science Careers Child Develop 1 & 2 Integrated PE	Family/Consumer Science Careers Sociology 1 & 2 Child Develop 1 & 2 Integrated PE	Family/Consumer Science Careers Child Develop 1 & 2 College Algebra Readiness Pre-Calculus Calculus AP Calculus Sociology 1 & 2 Psychology 1 & 2 AP Psychology Public Speaking Integrated PE
Tech Campus related pathway courses			Early Childhood Education	Early Childhood Education
4 year college majors	Education Early Childhood Educational Administ Elementary Education Coaching	ration	Kindergarten/Preschool School Library Special Special Education Tea Secondary Education	llist/Science
CLC Programs	Early Childhood Educ Paraprofessional Educ Human Services Library Technical As	cation		

Career Cluster: Health Science

Careers	Athletic Trainer	Health Information	on Coder Pl	nlebotomist
	Biostatistician	Laboratory Techr	nician Pl	nysician
	Dental Assist./Hygien	_		nysician's Assistant
	EMT/Paramedic	Occupational The		adiographer
	Health Administrator			nysical Therapist
	Geneticist	Research Scientis		egistered Nurse
	9 th grade	10 th grade	11 th grade	12 th grade
Required	OWC	World Literature	American Literatur	e English Elective
Courses	Algebra 1 (or	Geometry (or higher)	Algebra 2 (or highe	_
	higher)	Chemistry	Physics	PE
	Biology	World History	US History	
	Social Studies	PE, Health	PE	
	PE	Driver Ed		
	Computer Tech			
Recommended	Family/Consumer	Family/Consumer	Family/Consumer	Family/Consumer
or related	Science Careers	Science Careers	Science Careers	Science Careers
pathway		Foods 1 & 2	Foods 1 and 2	Foods 1 & 2
courses offered		Child Develop 1 & 2	Child Develop 1 &	2 Child Develop
at ZB		Integrated PE	Sociology 1 & 2	1 & 2
			Integrated PE	Sociology 1 & 2
			Human Anatomy	Human Anatomy
				Psychology 1 & 2
				AP Psychology
				AP Biology
				AP Chemistry
				AP Physics
				College Algebra
				Readiness
				Pre-Calculus
				Pre-Calculus
				Honors
				AP Calculus
				Integrated PE
Tech Campus			Medical Assisting	Certified Nurse
related pathway				Assistant
courses				Emergency
	A 411 (1 77)	~ ~		Medical Tech
4 year college	Athletic Training	Cognitive P		Jursing
majors	Audiology	Genetic Cor	_	Occupational Therapy
	Bioethics	Health Adm		harmaceutical Science
	Biotechnology	-		ublic Health
	Clinical Nutrition/Die	0,	//Movement P	hysical Therapy
CI C D	Clinical Lab Science	Science	Madical	Vallmaga Canal-
CLC Programs	Nursing	Emergency		Vellness Coach
	Phlebotomy Technician			Medical Imaging
	Surgical Technician	Health Infor		Medical Assisting
	Dental Hygiene	Technician		Massage Therapy
		Pnarmaceut	ical Technician	

Career Cluster: Hospitality

Careers	Baker	Event Planner	Restaura	ant Owner/Manager
	Caterer	Executive Chef	Tour &	Travel Guide
	Concierge	Facilities Manage	er Travel A	Agent
	Convention Services	Hotel Manageme	nt	
	Manager			
	9 th grade	10 th grade	11 th grade	12 th grade
Required	OWC	World Literature	American Literature	English Elective
Courses	Algebra 1 (or higher)	Geometry (or higher)	Algebra 2 (or higher)	Government
	Biology	Chemistry	Physics	PE
	Social Studies	World History	US History	
	PE	PE, Health	PE	
	Computer Tech	Driver Ed		
Recommended	Business Concepts	Foods & Nutrition	Foods & Nutrition	Foods & Nutrition
or related		1 & 2	1 & 2	1 & 2
pathway		Business Concepts	Business Concepts	Business Concepts
courses offered			Entrepreneurship	Entrepreneurship
at ZB			Marketing	Marketing
			Web Design	Web Design
Tech Campus			Culinary Arts	Culinary Arts
related pathway				
courses				
4 year college	Facilities Planning &	_		
majors	Natural Resources Re			
	Hospitality & Culinar	ry Management		
	Culinary Arts			
CLC Programs	Hospitality & Culinar		Professional Chef	
	Baking and Pastry As	ssistant	Hospitality Supervisor	r
	Professional Cook		Hospitality Manager	

Career Cluster: Human Services

Careers	Community Service I Cosmetologist Director of Child Car	Massage Therap	y Psycho	Counselor/ ologist Vorker
	Facility	Licensed Profess	sional	
		Counselor		
	9 th grade	10 th grade	11 th grade	12 th grade
Required	OWC	World Literature	American Literature	English Elective
Courses	Algebra 1(or higher)	Geometry (or higher)	Algebra 2 (or higher)	Government
	Biology	Chemistry	Physics	PE
	Social Studies	World History	US History	
	PE	PE, Health	PE	
D	Computer Tech	Driver Ed		G : 1 4
Recommended	Spanish 1	Spanish 2	Spanish 3	Spanish 4
or related		Athletic Training	Sociology 1 & 2	Psychology 1 & 2
pathway		Integrated PE	Athletic Training	Sociology 1 & 2
courses offered at ZB		Child Develop 1 & 2	Integrated PE	Athletic Training
at ZD			Child Develop 1 & 2	Integrated PE Child Develop 1 & 2
Tech Campus			Cosmetology	Cosmetology
related pathway courses			Early Childhood Ed	Early Childhood Ed
4 year college	Child Development		Psychologist	
majors	Family & Community	y Services	Sociology	
	Family & Consumer	Sciences	Athletic Trainer	
	Mental Health Couns	eling	Wellness	
	Social Work			
CLC Programs	Social Work		Alcohol, Substance Al	ouse & Addictive
	Children Adolescents	3	Disorders	
	Adult Services		Correctional Counselin	_
	Massage Therapy		Trauma, Prevention ar	nd Victim Services
	l .			

Career Cluster: Information Technology

Required Courses	Animator Database Administrat Data Systems Design Game Developer IT Engineer Computer Forensics 9 th grade OWC Algebra 1 (or higher) Biology Social Studies PE		istrator F cy Analyst S tions Network S	English Elective
Recommended	Computer Tech Electronics 1 & 2	Driver Ed Electronics 1 & 2	Electronics 1 &	
or related pathway courses offered at ZB			Sociology 1 & 2	Readiness Pre-Calculus Pre-Calculus Honors AP Calculus Sociology 1 & 2 Psychology 1 & 2 AP Psychology Public Speaking
Tech Campus related pathway courses			C++ programm: Computer Supp Services Graphic/Web D	ort Computer Support Services
4 year College	Computer Forensics Artificial Intelligence		Computer Scien	nce vare Applications
Majors	Computer Info Syster Computer Engineerin Computer Programmi	ms g	Digital Arts	ve Media Design
CLC Programs	Digital Media Web Programmer Computer forensics Network Administrati	ion	Office Application Specialist Desktop Support Tech C++ Programming Game Development Cisco Networking	

Career Cluster: Law & Public Safety

Courses	Careers	Corporate Security Manager Firefighter Lawyer Corrections Officer Hazardous Materials Responder	Paralegal Court Reporter Homeland Security Park Ranger Detective	Police Of Emergen Technicia Judge Probation	cy Medical an n/Parole Officer
Courses Algebra 1 (or higher) Biology Social Studies PE Computer Tech Driver Ed Recommended or related pathway courses offered at ZB Tech Campus related pathway courses C	D	9 th grade	10 th grade	11 th grade	12 th grade
Biology Social Studies PE Computer Tech Computer Tech Oriver Ed Spanish 1 Spanish 2 Spanish 3 Public Speaking Forensic Science Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Sociology 1 & 2 President Forensic Science Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Foreintal Justice Emergency Medical Service Medical Assisting Fire Science Fire Science Fire Service Administration Forensic Science and Technology Health Law Homeland Security Law CLC Programs Criminal Justice Paralegal Studies Administrative Leadership Office Professional					_
Social Studies PE PE PE Health Driver Ed	Courses				
PE Computer Tech Driver Ed					PE
Computer Tech Driver Ed Spanish 3 Spanish 4				_	
Recommended or related pathway courses offered at ZB Tech Campus related pathway courses Co					
or related pathway courses offered at ZB Tech Campus related pathway courses Temergency Medical Service Medical Assisting Firefighting Service Medical Assisting Firefighting Medical Assisting Fire Science Criminal Justice Criminal Justice Tire Service Administration Fire Service Administration Forensic Science and Technology Cyber/Computer Forensics Health Law Homeland Security Natural Resource Law Law Tech Campus Fire Science Administrative Leadership Office Professional	Recommended	-		Spanish 3	Spanish 4
pathway courses offered at ZB Tech Campus related pathway courses Course Courses		Spanish 1	Spanish 2	_	_ -
courses offered at ZB at ZB Business Law Sociology 1 & 2 Public Speaking Forensic Science Business Law Sociology 1 & 2 Tech Campus related pathway courses Criminal Justice Emergency Medical Service Medical Assisting Firefighting Medical Assisting Criminal Justice Fire Science Fire Service Administration Forensic Science and Technology Cyber/Computer Forensics Energy, Environment, & Homeland Security Law CLC Programs Criminal Justice Paralegal Studies Administrative Leadership Office Professional				1 0	
at ZB Sociology 1 & 2	_				5 05
Tech Campus related pathway courses 4 year college majors Corrections Criminal Justice Emergency Medical Service Medical Assisting Firefighting Medical Assisting Criminal Justice Emergency Medical Firefighting Service Medical Assisting Firefighting Medical Assisting Fire Science Fire Science Administration Criminology Forensic Science and Technology Cyber/Computer Forensics Health Law Energy, Environment, & Homeland Security Natural Resource Law CLC Programs Forensic Science Homeland Security Law CLC Programs Criminal Justice Administrative Leadership Office Professional	at ZB			Sociology 1 & 2	<u> </u>
Tech Campus related pathway courses 4 year college majors Corrections Criminal Justice Fire Science Criminal Justice Fire Service Administration Criminology Cyber/Computer Forensics Energy, Environment, & Homeland Security Natural Resource Law CLC Programs Criminal Justice Administrative Leadership Office Professional					1 0
Tech Campus related pathway coursesCriminal Justice Emergency Medical Service Medical Firefighting Medical AssistingEmergency Medical Firefighting Medical Assisting4 year college majorsCorrections Criminal JusticeFire Science Fire Service AdministrationCriminology Cyber/Computer Forensics Energy, Environment, & Natural Resource LawHomeland Security LawCLC Programs 					Business Law
related pathway courses Service Medical Firefighting Service Medical Assisting 4 year college majors Criminal Justice Fire Service Administration Criminology Forensic Science and Technology Cyber/Computer Forensics Health Law Energy, Environment, & Homeland Security Natural Resource Law CLC Programs Emergency Medical Emergency Medical Assisting Fire Service Administration Fire Service Administration Forensic Science and Technology Health Law Homeland Security Law CLC Programs Criminal Justice Administrative Leadership Paralegal Studies Office Professional					Sociology 1 & 2
pathway courses Service Firefighting Medical Assisting 4 year college majors Criminal Justice Criminology Cyber/Computer Forensics Energy, Environment, & Natural Resource Law CLC Programs Service Medical Fire Science Fire Science Fire Service Administration Forensic Science and Technology Health Law Homeland Security Law CLC Programs Criminal Justice Paralegal Studies Administrative Leadership Office Professional	Tech Campus			Criminal Justice	Criminal Justice
coursesFirefighting Medical AssistingService Firefighting Medical Assisting4 year college majorsCorrections Criminal Justice Criminology Cyber/Computer Forensics Energy, Environment, & Natural Resource LawFire Service Administration Forensic Science and Technology Health Law Homeland Security LawCLC ProgramsCriminal Justice Paralegal StudiesAdministrative Leadership Office Professional	related				
4 year college majorsCorrections Criminal Justice Cyber/Computer Forensics Energy, Environment, & Natural Resource LawFire Science Fire Service Administration Forensic Science and Technology Health Law Homeland Security LawCLC ProgramsCriminal Justice Paralegal StudiesAdministrative Leadership Office Professional	pathway				
4 year college Corrections Fire Science majors Criminal Justice Fire Service Administration Criminology Forensic Science and Technology Cyber/Computer Forensics Health Law Energy, Environment, & Homeland Security Natural Resource Law Law CLC Programs Criminal Justice Administrative Leadership Paralegal Studies Office Professional	courses				
4 year college majorsCorrections Criminal Justice Criminology Cyber/Computer Forensics Energy, Environment, & Natural Resource LawFire Science Forensic Science and Technology Health Law Homeland Security LawCLC ProgramsCriminal Justice Paralegal StudiesAdministrative Leadership Office Professional				Medical Assisting	
majorsCriminal Justice Criminology Cyber/Computer Forensics Energy, Environment, & Natural Resource LawFire Service Administration Forensic Science and Technology Health Law Homeland Security LawCLC ProgramsCriminal Justice Paralegal StudiesAdministrative Leadership Office Professional					Medical Assisting
Criminology Cyber/Computer Forensics Energy, Environment, & Homeland Security Natural Resource Law CLC Programs Criminal Justice Paralegal Studies Forensic Science and Technology Health Law Law Administrative Leadership Office Professional					.•
Cyber/Computer Forensics Energy, Environment, & Homeland Security Natural Resource Law CLC Programs Criminal Justice Paralegal Studies Health Law Homeland Security Law Administrative Leadership Office Professional	majors				
Energy, Environment, & Homeland Security Natural Resource Law CLC Programs Criminal Justice Paralegal Studies Homeland Security Law Administrative Leadership Office Professional					Technology
Natural Resource Law CLC Programs Criminal Justice Paralegal Studies Administrative Leadership Office Professional		1			
CLC Programs Criminal Justice Administrative Leadership Paralegal Studies Office Professional				<u>~</u>	
Paralegal Studies Office Professional	CI C Drograms		aw		schin
	CLC Programs			-	
		_	Technician .		nσ
Fire Science Technician Trauma/Victim Services				Correctional Counseling	

Career Cluster: Manufacturing

Careers	CNC Operator	Mechanic	Foundry	Worker
	Health & Safety Rep	-		
	Manufacturing	Environmental Engineer Safety Engineer		Engineer
	Technician	Inspector	Freight,	Stock, Material
	Design Engineer	Quality Control Te	echnician Mover	• ·
	Industrial Machinery	Machinist		
	Mechanic	Welder		
	9 th grade	10 th grade	11 th grade	12 th grade
Required	OWC	World Literature	American Literature	English Elective
Courses	Algebra 1 (or higher)	Geometry (or higher)	Algebra 2 (or higher)	Government
	Biology	Chemistry	Physics	PE
	Social Studies	World History	US History	
	PE	PE, Health	PE	
	Computer Tech	Driver Ed		
Recommended	Pre-Engineering	Engineering &	Intro to Carpentry,	
or related	Pre-Architecture	Architecture	Building Trades &	
pathway	Electricity &	3-D Sculpture 2	Construction	
courses offered	Electronics 1 & 2			
at ZB	Metals 1 & 2			
	Power Mechanics			
	1 & 2			
	Woods 1 & 2			
— . ~	3-D Sculpture 1			~
Tech Campus			Computer Integrated	Computer
related pathway			Manufacturing	Integrated
courses			Construction Skills	Manufacturing
			& Management	Construction Skills
			Welding – Fabrication	& Management
				Welding – Fabrication
			Principles of Engineering	Principles of
			Introduction to	Engineering
			Engineering	Introduction to
			Manufacturing	Engineering
			Wandidetaining	Manufacturing
4 year college	Apparel & Textiles	Laser & Optical	Occupati	
majors	Design	Technology	ol Occupational Safety & Technology	
	Computer Engineering	23		& Polymer
	Tech	Mechanical Engir		-
	Engineering	Metallurgical Tec		Technology
	Industrial Technology	Nuclear Power To	2.5	l Engineer
CLC Programs	Business Administrati		CNC Programming	
- G	Mechanical Engineering	ng Technology	CAD Drafting Techni	cian
	Welding		Electrical Engineer Te	
	Construction Manager	nent Technician		

Career Cluster: Science, Technology, Engineering & Mathematics

Careers	Actuary Geneticist	Physicist Archeologist	Astrono Mechan	mer ical Engineer
	Photonics Tech Anthropologist	Math/Science Tea Statistician	acher Chemist Meteoro	
	Electrical Engineer 9th grade	10 th grade	11 th grade	12 th grade
Required Courses	OWC Algebra 1 (or higher) Biology Social Studies PE	World Literature Geometry (or higher) Chemistry World History PE, Health	American Literature Algebra 2 (or higher) Physics US History PE	English Elective Government PE
Recommended or related pathway courses offered at ZB	Computer Tech Business Concepts Pre-Engineering Electricity & Electronics 1 & 2	Engineering & Architecture	Pre-Calculus Pre-Calculus Honors AP Calculus Meteorology Astronomy Forensic Science Environmental Ecology 1 & 2 AP Environmental Science Accounting	AP Statistics Pre-Calculus Pre-Calculus Honors AP Calculus Meteorology Astronomy Forensic Science Environ Ecology 1 & 2 AP Environmental Science AP Biology AP Chemistry AP Physics AP Environmental Science AC Environmental Science
Tech Campus related pathway courses			Photonics	Photonics
4 year college majors	Actuarial Science Astronomy Behavioral Sciences Biology Chemical Engineering Engineering Ecology	Marine Biology Mathematics Robotics Pharmacology Physics Radiation Biology Botany	<u> </u>	
CLC Programs	Chemistry Biology Physics Mathematics Engineering Photonics	Mechanical Engineering Wireless Networking Security Fiber Optics Technician Nanoscience		

Career Cluster: Service Technologies

Careers	Automotive Mechani	c Roofer	Carpent	er	
	Electrician	Avionics Technic	<u> </u>		
	Plumber	HVAC Mechanic	Drywall	Installer	
	Automotive Repair	Sheet Metal Wor	•		
	General Contractor				
	9 th grade	10 th grade	11 th grade	12 th grade	
Required	OWC	World Literature	American Literature	English Elective	
Courses	Algebra 1 (or higher)	Geometry (or higher)	Algebra 2 (or higher)	Government	
	Biology	Chemistry	Physics	PE	
	Social Studies	World History	US History		
	PE	PE, Health	PE		
	Computer Tech	Driver Ed			
Recommended	Pre-Engineering	Engineering &			
or related	Pre-Architecture	Architecture			
pathway	Electricity &	Painting 2			
courses offered	Electronics 1 & 2				
at ZB	Metals 1 & 2				
	Power Mechanics				
	1 & 2				
	Woods 1 & 2				
	Painting 1				
Tech Campus			Auto Collision	Auto Collision	
related pathway			Repair	Repair	
courses			Automotive Service	Automotive Service	
			Construction Skills	Construction Skills	
			& Management	& Management	
			Welding -	Welding -	
			Fabrication	Fabrication	
4 year college	Electrical Engineering				
majors					
CLC Programs	Automotive Collision				
	Automotive Technology				
	Heating, Ventilation & Air Conditioning				
	Electrical Engineering Technology				