Louisiana Believes

2013-2014

Areas of Concentration (AOC)/

Career Pathways

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2013-2014 ADDENDUM

The information summarized on pages 3-5 is supplemental to the content of the 2013-14 AOCs/Career Pathways.

- Course Choice courses are designated by (CC) at the end of the title
- Courses listed in the AOC/Career Pathway as both a primary and related course should be pursued as a Primary course. *Note: The completion of five (5) primary credits and one (1) BESE approved computer course credit will meet the AOC/Career Pathway graduation requirement.*
- Course codes can be found at the following web address:
  https://www.teachlouisiana.net/teachers.aspx?PageID=12311121&Display=2
- The following updates pertain to Child Development Associate (CDA) courses:
  - According to the Louisiana Department of Child and Family Services (DCFS), Class "A" Child Day Care Regulations:
    - Child care staff shall be age 18 years or older. The child care provider may, however, include in the staff/child ratio, a person 16 or 17 year old who works under the direct supervision of a qualified adult staff. These students (under the age of 18) may never be left alone with the children. Students earning 480 hours of work experience under the supervision of a teacher count as adults in the child/adult ratio. No one under age 16 shall be used as child care staff.
    - Sixteen or seventeen year old students may work as an assistant to the teacher who is over 18. These students are considered non-paid staff and all information/documentation must be complete and available to the licensing specialist if requested.
    - If the required criminal background check of a sixteen or seventeen year old student comes back as "No record exists", the minor student is cleared to earn 480 hours of work experience.
  - According to the CDA National Credentialing Program, the 480 hours of work experience may be accrued in a variety of settings, including public pre-K schools, summer camps, and church programs. Thus, the hours should be aligned to a paid, non-paid, or volunteer work in a licensed, state or federal approved program.

COURSE NAME CHANGES

PREVIOUS COURSE NAME	NEW COURSE NAME
Advanced Dance	Dance II, Dance III, Dance IV
Advanced Finance	Applied Finance
Advanced Theatre	Theatre II, Theatre III, Theatre IV
Barbering	Barber
Data MRD	Database Design and Programming
Intro to SQL	Database Programming with PL/SQL Training

NEW COURSES ADDED TO AOC/CAREER PATHWAY (*COMPETENCY)

AOCs/Career Pathways with new courses and/or additional competency courses are listed in the table below.

CAREER PATHWAY	COURSE NAME	PRIMARY or RELATED
CAREER CLUSTER: Agriculture, Food and Natural Resources		
Ag Production, Management, Entrepreneurship	Small Engines Applications	Primary
Animal Science	Small Engines Applications	Related
Horticulture	Small Engines Applications	Primary
CAREER CLUSTER: Architecture and Construction		
Carpentry and Construction	Safety and Construction Skills I (CC)	Primary
	Safety and Construction Skills II (CC)	Primary
CAREER CLUSTER: Arts, A/V Technology and Communications		
Liberal Arts	*Beginning Orchestra	Primary
	*Dance I	Primary
Performing Arts	*Advanced Band	Primary
	*Advanced Chorus	Primary
	*Advanced Orchestra	Primary
	*Dance III, IV	Primary
	*Studio Piano I, II, III	Primary
	*Talented Music I-IV	Primary
	*Talented Theatre I, II, III	Primary
	*Theatre III, IV	Primary
	*Wind Ensemble	Primary
CAREER CLUSTER: Business, Management and Administration		
Administrative Support	Business Communications	Primary
CAREER CLUSTER: Finance		
Banking and Finance (NAF Academy)	Consumer Finance and Banking	Primary
CAREER CLUSTER: Human Services		
Social Services	Assistive Technology	Primary
	*Braille I	Primary
	*Braille II	Primary
CAREER CLUSTER: Information Technology		
Computer Engineering Systems (Oracle Internet Academy)	Java Programming	Primary
CAREER CLUSTER: Manufacturing		
Industrial Operations	Automation in Manufacturing	Primary
	Introduction to Fabrication, P-TECH and Manufacturing	Primary
	Manufacturing Process and Team Building	Primary

CAREER PATHWAY	COURSE NAME	PRIMARY or RELATED
CAREER CLUSTER: Manufacturing		
Industrial Operations	Manufacturing Tools and Equipment	Primary
	NCCER Heavy Equipment I, II (CC)	Primary
	NCCER Industrial Maintenance I	Primary
	NCCER Insulating I	Primary
	NCCER Millwright	Primary
Petro Chemical	NCCER Mobile Crane I, II (CC)	Primary
	*Oil and Gas Production Operations	Primary
	Oil Patch Preparation System (CC)	Primary
	*T2 Safety Systems for Oil and Gas	Primary
CAREER CLUSTER: Marketing, Sales and Services		
Entrepreneurship	*Business Enterprises for the Visually Impaired	Primary
Marketing and Sales Management	Sports and Entertainment Marketing	Primary
	Leadership	Related
	Personal Finance	Related

CONSOLIDATED COURSES

Courses in the table below were previously assigned course numbers based on the certification area of the teacher. These courses have been consolidated into one universal course code – applicable to all teacher certifications.

PREVIOUS COURSE NAME	NEW COURSE NAME
NCCER Carpentry - AG NCCER Carpentry - TE NCCER Carpentry - T&I	NCCER Carpentry I (1-3 credits) NCCER Carpentry II (1-3 credits)
NCCER Electrical - AG NCCER Electrical - TE NCCER Electrical - T&I	NCCER Electrical I (1-3 credits) NCCER Electrical II (1-3 credits)
NCCER Instrumentation Control Mechanic - TE Control Mechanic - T&I	NCCER Instrumentation Control Mechanic I (1-3 credits) NCCER Instrumentation Control Mechanic II (1-3 credits)
NCCER Pipefitter - AG NCCER Pipefitter - TE NCCER Pipefitter - T&I	NCCER Pipefitter I (1-3 credits) NCCER Pipefitter II (1-3 credits)
NCCER Welding - AG NCCER Welding - TE NCCER Welding - T&I NCCER Welding Tech. I, II - TE NCCER Welding Tech. I, II - T&I	NCCER Welding Tech. I (1-3 credits) NCCER Welding Tech. II (1-3 credits)

Career Cluster:	Agriculture, Food and Natural Resources
Career Pathway:	**Agriculture Production/Management/Entrepreneurship**
Primary Courses: **(must complete a minimum of 4 credits)**	Agribusiness Education for Careers or Nutrition and Food *Agriscience I, II, III Journey to Careers or Outdoor Power Equip. I, II-TE Agriscience Construction JAG Precision Ag. Agriscience-Leadership Env. Science Principles of Business Biotechnology in Agsci. Env Studies in Ag Small Animal Care and Management Coop Ag Ed I, II Gen. Coop. Ed. CTE Internship I Meat Processing ▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the** **Primary Courses and students complete one computer course credit)**	Accounting I Drafting and Design I- NCCER Welding-AG Animal Science Tech. NCCER Welding TE Advanced Metals Earth Science Nutrition and Food Advanced Nutrition and Food Economics Physics Ag Power Equipment Entrepreneurship Physics for Tech (Regular) Agricultural Educ. Elective I Equine Science Physics of Tech. I (Voc.) Agriscience Elective I Financial Math Principles of Business Agriscience Leadership Fine Arts Survey Principles of Marketing I Basic E/E Tech. Forestry Senior Project Basic Metal Tech. Horticulture Speech I, II, III, IV Basic Wood Tech. Industrial Mach. T&I Ed Elec. I, II Biology II Intro to Bus. Comp. App. Technology Ed. Elec. I, II Business English Keyboarding Transportation Tech. Cabinet Making I Keyboarding Apps. Welding I Carpentry I NCCER Carpentry-AG Welding Technology Chemistry NCCER Electrical-AG World Geography Customer Service World History ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation Courses:	Customer Service Keyboarding EETC Four-Stroke Technician NCCER Carpentry-AG EETC Two-Stroke Technician NCCER Electrical-AG Horticulture NCCER Welding-AG Intro to BCA Outdoor Power Equipment-TE
Industry Based Certifications:	**Related Certification(s):** ADDA Customer Service Landscape Contractor Canine Care Equine Care NCCER Welding, Carpentry CNLP IC³ Outdoor Power Equipment Tech
Postsecondary Education Programs:	Ag/Ag Sciences-General Food Science and Technology Ag Production Workers and Managers Forestry and Related Sciences Farm and Ranch Management NCCER-Carpentry Fishing and Fisheries Sciences & Mgmt. NCCER-Electrical
Occupations:	Agricultural Product Inspections Forest Worker or Logger Fish and Game Officer Park Manager or Technician Fisheries Manager or Technician Water Monitoring Technician

Career Cluster:	Agriculture, Food and Natural Resources		
Career Pathway:	Animal Science		
Primary Courses: (must complete a minimum of 4 credits)	Agriscience I, II, III *Animal Science *Canine Care & Training *CASE Animal Science Coop Ag. Ed. I, II	CTE Internship I Education for Careers or Journey to Careers or JAG *Equine Science	General Coop. Ed. Small Animal Care and Management *Veterinarian Asst. I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		

Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I
	Agriscience Power and
	  Equipment
	Biology II
	Customer Service
	Entrepreneurship
		Financial Math
		Food and Nutrition
		Intro to Bus. Comp. App.
		Keyboarding
		Keyboarding Apps.
			Outdoor Power Equipment I
			  Tech
			Principles of Business
			Senior Project
			Speech I
			Welding I

	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Accounting I Customer Service Keyboarding		Intro to BCA Outdoor Power Equipment
Industry Based Certifications:	**Related Certification(s):** Canine Care Customer Service EETC Four-Stroke-Tech.		EETC Two-Stroke-Tech. Equine Care IC[3]
Postsecondary Education Programs	Agricultural Animal Breeding Genetics		Agricultural Animal Health
Occupations:	Animal Geneticist Animal Nutritionist Animal Scientist	Aquaculturalist Embryo Technologist Feed Sales Representative	Poultry Manager Veterinarian

Career Cluster:	Agriculture, Food and Natural Resources		
Career Pathway:	Forestry and Conservation		
Primary Courses: (must complete a minimum of 4 credits)	Agribusiness Agriscience I, II, III Biotechnology in Agriscience Coop Ag Ed I, II	CTE Internship I Education for Careers or Journey to Careers or JAG Env Studies in Ag	*Forestry Gen. Coop. Ed. Precision Instrumentation in Agriscience *Woodworks
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Math I, II Biology II Chemistry Customer Service Entrepreneurship	Financial Math Gen. Technology Ed. Intro to Bus. Comp. App. Keyboarding Keyboarding Apps.	Physics of Tech I (Voc.) Principles of Business Senior Project Speech I, II, III, IV
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service Keyboarding Intro to BCA		
Industry Based Certifications:	**Related Certification(s):** Customer Service IC^3		
Postsecondary Education Programs:	Forestry Range Management Range Science		
Occupations:	Conservation Managers and Workers Fish and Game Wardens	Forest Geneticist Forest Harvesting and Production Soil and Land Preservation Workers	

Career Cluster:	Agriculture, Food and Natural Resource		
Career Pathway:	Horticulture		
Primary Courses: (must complete a minimum of 4 credits)	Agriscience I, II, III Agriscience Power Equipment Biotechnology in Ag *CASE Plant Science Coop Ag. Ed. I, II	CTE Internship I Education for Careers or Journey to Careers or JAG Floristry Env Studies in Ag Forestry	General Coop. Education *Horticulture Horticulture II Landscape Design, Construction, and Maintenance Outdoor Power Equip. I
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Art I Basic Drafting Biology II Biology Elective Business Law	Chemistry Commercial Art I Customer Service Entrepreneurship Environmental Science Financial Math Intro to Bus. Comp. App.	Keyboarding Keyboarding Apps. Principles of Business Senior Project Speech I, II, III, IV World Geography
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service Horticulture Intro to BCA	Keyboarding Outdoor Power Equipment	
Industry Based Certifications:	**Related Certification(s):** Certified Nursery Landscape Professional Customer Service EETC Four-Stroke Technician	EETC Two-Stroke Technician Horticulturist License IC [3] Landscape Contractor	
Postsecondary Education Programs:	Horticulture Plant Science		
Occupations:	Botanist Certified Crop Advisor Florist	Forest Geneticist Golf Course Superintendent Greenhouse Managers	Landscape Architect Landscape Contractor Tree Surgeon

Career Cluster:	Architecture and Construction		
Career Pathway:	Air Conditioning and Refrigeration, Heating and Ventilation		

Primary Courses: (must complete a minimum of 4 credits)	*AC/Refrig. I, II, III, IV
	Advanced E/E
	Advanced Metal Tech.
	Basic E/E
	Basic Electricity
	Basic Electronics
	Basic Metal Tech.
	Basic Tech. Drafting
		Construction Tech.
		Coop Tech Ed
		CTE Internship I
		Education for Careers or
		    Journey to Careers or
		    JAG
		Electrician I
		General Coop. Ed.
			Gen. Technology Ed.
			NCCER Electrical-AG
			NCCER Electrical I, II-TE
			NCCER Electrical-T&I
			NCCER Welding-AG
			NCCER Welding I, II-TE
			NCCER Welding I, II-T&I
			T & I Coop. Ed. I, II

	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Tech. Drafting Advanced Wood Tech. Basic Wood Tech. Carpentry I Chemistry Customer Service Electronics I	Entrepreneurship Financial Math Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. Physics	Physics of Tech. I (Voc.) Principles of Business PTEC II (Plant Safety) Senior Project Speech I T & I Elective
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding NCCER Carpentry NCCER Electrical-AG	NCCER Electrical I, II-TE NCCER Electrical I, II-T&I NCCER Welding-AG NCCER Welding Technology I, II-TE Welding I, II	
Industry-Based Certifications	**Related Certification(s):** ADDA Autocad Customer Service HVAC Excellence H.E.A.T. and H.E.A.T.+ IC^3 NCCER Carpentry-T&I	NCCER Certification-Heating, Ventilating, and Air Conditioning NCCER Electrical-AG NCCER Electrical-TE NCCER Electrical-T&I NCCER Welding-AG NCCER Welding-TE NCCER Welding-T&I	
Postsecondary Education Programs:	Apprenticeship Two-year post-secondary education		
Occupations:	Air Conditioning and Refrigeration Mechanic Heating, Air Conditioning Refrigeration Mechanics HVAC Installation, Service and Repair Technicians Solar Technician		

Career Cluster:	Architecture and Construction		
Career Pathway:	Architecture		
Primary Courses: (must complete a minimum of 4 credits)	Advanced Math Advanced Technical Draft. *Architectural Drafting *Basic Technical Drafting	Civil Eng. & Architecture Construction Technology CTE Internship I *Drafting/Design Tech I, II	Education for Careers or Journey to Careers or JAG General Tech. Education Materials and Processes
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Adv. Wood Technology Art III or IV Basic Wood Technology Calculus Pre-Calculus Carpentry I Customer Service Electrical Electricity I	Entrepreneurship Financial Math Fine Arts Survey Intro to Bus. Comp. App. Keyboarding Keyboarding Applications NCCER Carpentry-AG NCCER Carpentry I, II-TE NCCER Carpentry-T&I NCCER Electrical-AG	NCCER Electrical I, II-TE NCCER Electrical I, II-T&I NCCER Welding-AG NCCER Welding I, II-TE NCCER Welding I, II-T&I Physics Principles of Business Senior Project Speech I, II, III, IV Welding I
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding NCCER Carpentry-AG NCCER Carpentry I, II-TE NCCER Carpentry I, II-T&I	NCCER Electrical-AG NCCER Electrical I, II-TE NCCER Electrical I, II-T&I NCCER Welding-AG NCCER Welding I, II-TE NCCER Welding I, II-T&I	
Industry Based Certifications:	ADDA Autocad Customer Service IBCA Keyboarding	NCCER Carpentry-AG NCCER Carpentry I, II-TE NCCER Carpentry I, II-T&I IC^3	
Postsecondary Education Programs:	Architectural Engineering Architecture		
Occupations:	Architect Architectural and Civil Drafter	Drafter Mechanical Drafter	

Career Cluster:	Architecture and Construction		
Career Pathway:	Cabinetmaking		
Primary Courses: (must complete a minimum of 4 credits)	Advanced Tech. Drafting Advanced Wood Tech. Architectural Drafting Basic Tech. Drafting Basic Wood Tech. *Cabinetmaking I, II	Carpentry I, II-T&I Construction Tech. Coop Tech. Ed. CTE Internship I Education for Careers or Journey to Careers or JAG	General Coop. Ed. General Technology Ed. Materials and Processes NCCER Carpentry II-TE NCCER Carpentry II-T&I T & I Coop. Ed. I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Art I Customer Service Entrepreneurship Financial Math	Intro to Bus. Comp. App. Keyboarding Keyboarding Applications Physics of Tech I (Voc.)	Principles of Business Senior Project Speech I T&I Ed. Elective I, II Tech. Ed. Elective I, II Technical Theatre
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding	NCCER Carpentry-AG NCCER Carpentry I, II-TE NCCER Carpentry I, II-T&I	
Industry-Based Certifications	**Related Certification(s):** ADDA Autocad Customer Service IC^3	NCCER Carpentry-AG NCCER Carpentry I, II-TE NCCER Carpentry I, II-T&I	
Postsecondary Education Programs:	Apprenticeship Two-year post-secondary education		
Occupations:	Carpenters Drafters	Millwright	Painters

Career Cluster:	Architecture and Construction		
Career Pathway:	Carpentry and Construction		
Primary Courses: **(must complete a minimum of 4 credits)**	Advanced Tech. Drafting *Advanced Wood Tech. Agriscience I, II, III Agriscience-Construction Architectural Drafting Basic Electricity I, II Basic Technical Drafting *Basic Wood Tech. *Carpentry I, II *Construction Tech.	Coop Tech. Ed. CTE Internship I Education for Careers or Journey to Careers or JAG General Coop. Ed. General Technology Ed. Materials and Process *NCCER Carpentry-AG *NCCER Carpentry I, II-TE *NCCER Carpentry I, II-T&I	NCCER Electrical - AG NCCER Electrical I, II-TE NCCER Electrical I, II-T&I NCCER Weld - AG NCCER Weld Tech I, II-TE NCCER Weld Tech I, II- T&I Outdoor Power Equipment T & I Coop. Ed. I, II Tech. Educ. Elec. I, II
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Advanced E/E Advanced Math I, II Advanced Metal Tech. Agriscience I AP Art History AP Studio Art 3-D Design I Art I Basic E/E Basic Electricity I Basic Metal Tech. Business Law Cabinet Making I	Pre-Calculus Chemistry Civil Eng. & Architecture Customer Service Digital Graphics and Animation Drafting & Design I, II-T&I Electrician I Entrepreneurship Financial Math Housing and Interior Design Intro to Bus. Comp. App.	Keyboarding Keyboarding Apps. Manufacturing Tech. Physics Physics for Tech. (Reg) Physics of Tech. (Voc.) Principles of Business Process Technician II PTEC II (Plant Safety) Senior Project Speech I, II, III, IV T&I Ed Elective I, II Tech. Ed. Elective I, II Technical Theatre
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding NCCER Carpentry-AG NCCER Carpentry I, II-TE	NCCER Carpentry I, II-T&I NCCER Electrical-AG NCCER Electrical I, II -TE NCCER Electrical I, II-T&I NCCER Welding-AG	NCCER Weld Tech I,II-TE NCCER Weld Tech I, II- T&I Carpentry I, II Welding I, II-T&I
Industry Based Certifications:	**Related Certification(s):** AWS Certification　　　　　　　　　　NCCER Certification—Carpentry ADDA　　　　　　　　　　　　　　　NCCER Certification—Electrical Autocad　　　　　　　　　　　　　NCCER Certification—Welding Customer Service		
Postsecondary Education Programs:	ADDA Autocad Construction Management		

Career Cluster:	Architecture and Construction		
Career Pathway:	Drafting		
Primary Courses: (must complete a minimum of 4 credits)	*Adv. Technical Drafting Adv. Wood Technology *Architectural Drafting *Basic Tech. Drafting Basic Wood Technology Civil Eng. & Architecture	Coop Tech. Ed. I CTE Internship I Digital Graphics & Animation *Drafting & Design I, II-TE *Drafting & Design I, II-T&I General Coop. Ed.	Gen. Technology Ed. Intro to Eng. Design Journey to Careers or Ed for Careers or JAG Principles of Eng. T & I Coop. Ed. I, II
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Math I, II Aerospace Eng. Art I Basic Electricity I Pre-Calculus Carpentry I Chemistry Construction Tech. Customer Service Entrepreneurship	Financial Math Fine Arts Survey General Technology Ed. Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. Manufacturing Tech. NCCER Carpentry-AG NCCER Carpentry I, II-Tech NCCER Carpentry I, II-T&I	NCCER Electrical-Ag NCCER Electrical I, II-T&I NCCER Electrical I, II-Tech Physics Physics for Tech.(Regular) Physics of Tech. I (Voc.) Principles of Business Senior Project Speech I, II, III, IV T&I Ed Elective Tech. Ed. Elective Technical Theatre Theater Design and Technology
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding		
Industry Based Certifications	**Related Certification(s):** ADDA Autocad Customer Service	IC3 NCCER Carpentry NCCER Electrical	
Postsecondary Education Programs:	Drafting		
Occupations:	Architects	Computer Aided Drafter	Urban Planner/Designer

Career Cluster:	Architecture and Construction		
Career Pathway:	Electrical/Electronics		
Primary Courses: (must complete a minimum of 4 credits)	Advanced Electrical/ Electronics Agriscience I, II, III *Basic E/E *Basic Electricity I, II Coop. Tech. Ed. CTE Internship I	Digital Electronics Education for Careers or Journey to Careers or JAG *Electrician I, II, III, IV *Electronics I, II Energy, Power and Trans. Tech General Coop. Ed.	*NCCER Electrical I, II-T&I *NCCER Electrical I, II-Tech. *NCCER Electrical-AG NCCER Inst. Control Mechanic I, II T & I Coop. Ed. I, II Tech. Educ. Elec. I, II
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Math I, II Advanced Technical Draft. Agriscience Construction-Tech. Agriscience Elective I, II Basic Tech. Drafting Calculus Pre-Calculus Carpentry Communication Tech I Construction Tech. Ed.	Customer Service Engineering Design & Dev. Entrepreneurship Environmental Science Financial Math Gen. Technology Ed. Indust. Electron. I, II Intro to Bus. Comp. App. Keyboarding Keyboarding Apps.	Physics Physics for Tech (Reg.) Physics of Tech I (Voc.) Principles of Business Process Technician II PTEC II (Plant Safety) Senior Project Speech I, II, III, IV T&I Ed Elec. Technical Ed.—Elective
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding	NCCER Electrical PTEC	
Industry Based Certifications:	**Related Certification(s):** ADDA Autocad Customer Service IC^3	NCCER Electrical-AG NCCER Electrical I, II-TE NCCER Electrical I, II, T&I	
Postsecondary Education Programs:	Apprenticeship Two-year post-secondary education		
Occupations:	Electronic Technicians	Electrician	

Career Cluster:	Architecture and Construction		
Career Pathway:	Masonry		

Primary Courses: (must complete a minimum of 4 credits)	Advanced Technical Drafting
	Architectural Drafting
	Basic Wood Tech.
	Carpentry I
	Construction Tech.
	Coop. Tech. Ed.
		CTE Internship I
		Drafting and Design Tech
		Education for Careers or
		   Journey to Careers or
		   JAG
		General Coop. Ed.
		Gen. Technology Ed.
			*Masonry I
			Masonry II
			NCCER Carpentry-AG
			NCCER Carpentry I, II-TE
			NCCER Carpentry I, II-T&I
			T & I Coop. Ed. I, II
			T&I Ed Elec.

	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Wood Tech. Basic Technical Drafting Customer Service Entrepreneurship	Financial Math Intro to Bus. Comp. App. Keyboarding Keyboarding Apps.	Physics Principles of Business Senior Project Speech I
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA	Keyboarding NCCER Carpentry I, II	
Industry Based Certifications:	Related Certification(s): ADDA Autocad Customer Service IC^3	NCCER Carpentry I, II NCCER Certification-Ironwork NCCER Certification-Masonry	
Postsecondary Education Programs:	Apprenticeship Two-year post-secondary education		
Occupations:	Bricklayers and Masons	Building Inspectors	Concrete Finisher

Career Cluster:	Architecture and Construction		
Career Pathway:	Plumbing		

Primary Courses: (must complete a minimum of 4 credits)	Advanced Tech. Drafting
	Agriscience I, II, III
	Basic Tech. Drafting
	Construction Tech.
	Coop. Tech. Ed.
		CTE Internship I
		Draft/Design I, II-Tech
		Education for Careers or
		  Journey to Careers or
		  JAG
		General Coop. Ed.
			General Tech. Ed.
			Materials and
			  Processes
			*Plumbing I, II
			T & I Coop. Ed. I, II

	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Wood Tech Agriscience Elective I, II Basic Wood Tech. Customer Service Energy, Power, & Trans. Tech.	Entrepreneurship Financial Math Graphic Arts I Intro to Bus. Comp. App. Keyboarding Keyboarding Apps.	Physics of Tech. I (Voc.) Principles of Business Senior Project Speech I
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service Graphic Arts I IBCA Keyboarding		
Industry Based Certifications:	**Related Certification(s):** ADDA Autocad Customer Service	IC[3] NCCER Plumbing PrintED	
Postsecondary Education Programs:	Apprenticeship Two-year postsecondary education		
Occupations:	Insulation Worker Pipefitter	Plumber Security Controls Engineer	Steamfitter

Career Cluster:	Arts, A/V Technology, and Communication		
Career Pathway:	Commercial Arts		
Primary Courses: (must complete a minimum of 4 credits)	AP Art History AP Studio Art 3-D Design AP Studio Art Art I, II, III, IV, V *Commercial Art I, II Computer Multimedia Presentations	CTE Internship I Desktop Publishing Digital Media I, II Education for Careers or Journey to Careers or JAG Fine Arts Survey Graphic Arts I, II	Media Arts I-IV Music and Media Music and Technology Multimedia Productions Photography I, II Theater Design and Technology TV Production I, II Web Design
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Advanced Technical Draft Basic Technical Draft. I Communication Tech. I Customer Service Drafting/ Design Tech. I	Entrepreneurship Financial Math General Technical Ed. Intro to Bus. Comp. App. Journalism I	Keyboarding Keyboarding Apps. Principles of Business Senior Project Speech I Technical Theatre
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service Graphic Arts I IBCA	Keyboarding Web Design	
Industry Based Certifications:	**Related Certification(s):** Adobe Certified Associate ADDA Autocad	CIW Customer Service	IC[3] PrintED
Postsecondary Education Programs:	Apprenticeship Two-year postsecondary education		
Occupations:	Audio Systems Technicians Audio/Video Designers and Engineers Audio/Video System Service Technicians Commercial Photographers, Digital, Still, Video, Film Desktop Publishing Specialists, Web Page Designers Technical Computer Support Technicians, Stage, Film, Video and DVD Video Systems Technicians		

Career Cluster:	Arts, A/V Technology, and Communication		
Career Pathway:	Entertainment Production		
Primary Courses: (must complete a minimum of 4 credits)	Advanced TV Broadcast I, II Advanced Theatre I, II Computer Multimedia. Pres. CTE Internship I	Digital Media I *Digital Media II Education for Careers or Journey to Careers or JAG	Graphic Arts I Media Arts I-IV Music and Technology Speech I, II, III, IV *Theatre I, II, III, IV Theater Design and Technology *TV Production I, II
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Art I Art Elective Customer Service Digital Graphics & Animation English Elective Entrepreneurship Financial Math Fine Arts Survey	General Tech. Ed. Intro to Bus. Comp. App. Journalism Keyboarding Keyboarding Apps. Music and Media Photography I Principles of Business Psychology	Pub. I (Newspaper) Pub. I (Yearbook) Senior Project Sociology Speech I, II, III, IV T & I Elective Tech. Theatre
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service Graphic Arts I IBCA	Keyboarding	
Industry Based Certifications:	**Related Certification(s):** Adobe Certified Associate AVID User Certification	Customer Service IC^3 PrintED	
Postsecondary Education Programs:	Mass Communication Speech		
Occupations:	Broadcast Technician Graphic Designers Station Managers and TV Announcers Technical Computer Support Technicians, Stage, Film, Video and DVD		

Career Cluster:	Arts, A/V Technology, and Communication		
Career Pathway:	Graphic Arts		
Primary Courses: (must complete a minimum of 4 credits)	AP Studio Art 3D- Design I, II Art I, II, III Commercial Art I, II Computer Multimedia Presentations	CTE Internship I Desktop Publishing Education for Careers or Journey to Careers or JAG	*Graphic Arts I, II Media Arts I-IV Multimedia Pro. Photography I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Advertising and Sales Promotion Architectural Drafting Art Elective Basic Tech. Drafting Customer Service Drafting and Design I Entrepreneurship	Financial Math Fine Arts Survey Intro to Bus. Comp. App. Journalism I, II Keyboarding Keyboarding Apps. Physics for Tech. (Regular) Principles of Business Principles of Marketing I	Psychology Pub. I (newspaper) Pub. I (yearbook) Senior Project Sociology Speech I T & I Elective TV Production I Web Design
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service Graphic Arts I IBCA	Keyboarding Web Design	
Industry Based Certifications:	**Related Certification(s):** ADDA Autocad CIW	Customer Service IC^3 PrintED	
Postsecondary Education Programs:	Apprenticeship Two-year postsecondary education		
Occupations:	Commercial Artists, Illustrators, and Artists, all Media Commercial Photographers, Digital, Still, Video, Film Curators and Gallery Managers Graphic Designer, CAD Technicians, and Fashion Illustrators		

Career Cluster:	Arts, A/V Technology, and Communication		
Career Pathway:	Interiors and Furnishings		
Primary Courses: (must complete a minimum of 4 credits)	Adv. Clothing & Textiles Art I, II Basic Tech. Drafting *Clothing and Textiles	CTE Internship I Education for Careers or Journey to Careers or JAG FCS I, II	*Housing & Interior Design Housing & Int. Design Occup. Upholstery I, II Technical Theatre
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Architectural Drafting Art III AP Art History Art History Clothing and Textiles Occupations I, II Customer Service	Drafting/Design Tech. I, II Entrepreneurship Fine Arts Survey Financial Math Intro to Bus. Comp. App. Keyboarding	Keyboarding Apps. Principles of Business Senior Project Speech I, II, III, IV Upholstery
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding		
Industry Based Certifications:	**Related Certification(s):** ADDA Autocad	Customer Service IC[3]	
Postsecondary Education Programs:	Interior Design		
Occupations:	Fashion Designers Interior Designers, Commercial/Residential and Home Furnishings Coordinators Textile Designers		

Career Cluster:	Arts, A/V Technology, and Communication		
Career Pathway:	Journalism		
Primary Courses: (must complete a minimum of 4 credits)	Computer Multimedia Presentations Desktop Publishing Education for Careers or Journey to Careers or JAG *Journalism I, II	Media Arts I-IV Music and Media Multimedia Prod. Photography I, II *Pub. I, II (Newspaper) *Pub. I, II (Yearbook)	Speech I, II, III, IV Telecommunications Web Design Web Design II
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Adv. Technical Drafting Art I Customer Service Debate English Elective Entrepreneurship	Financial Math Fine Arts Survey Intro to Bus. Comp. App. Journalism Elective Keyboarding Keyboarding Apps. Music and Technology	Principles of Business Senior Project Social Studies Elective Sociology Speech I, II, III, IV Theatre I-IV
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding	Telecommunications Web Design I, II	
Industry Based Certifications:	**Related Certification(s):** ADDA Autocad CIW	Customer Service IC3	
Postsecondary Education Programs:	CIW Journalism		
Occupations:	Audio/Video Operations, Control Room Technician Broadcast Technician Publishers, Editors, and Journalists and Reporters, Print, Broadcast, Other Station Managers and Radio and TV Announcers		

Career Cluster:	Arts, A/V Technology, and Communication		
Career Pathway:	Liberal Arts		
Primary Courses: (must complete a minimum of 4 credits)	AP Art History AP Studio Art 3-D Design *Art I, II *Beginning Band *Beginning Choir	Education for Careers or Journey to Careers or JAG Fine Arts Survey General Music Guitar Class	Music Appreciation Music History Piano Class Speech I, II, III, IV Studio Art AP *Theatre I
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Adv. Technical Drafting Customer Service Entrepreneurship Financial Math Intro to Bus. Comp. App.	Journalism I Keyboarding Keyboarding Apps. Principles of Business Psychology	Pub. I (Newspaper) Pub. I (Yearbook) Senior Project Sociology Speech I
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding		
Industry Based Certifications:	**Related Certification(s):** ADDA Autocad	Customer Service IC^3	
Postsecondary Education Programs:	English Fine Arts		
Occupations:	Museum Curator Public Relations Specialist		

Career Cluster:	**Arts, A/V Technology, and Communication**
Career Pathway:	**Mass Communications**

Primary Courses: (must complete a minimum of 4 credits)	Adv. TV Broadcast I, II *Digital Media I, II Pub. I, II (Yearbook)
	Computer Multimedia Education for Careers or *Speech I, II, III, IV
	   Presentations Journey to Careers or Telecommunication
	CTE Internship I JAG TV Production I, II
	Desktop Publishing Journalism I, II Web Design
	Digital Graphics & Media Arts I Web Design II
	   Animation Music and Media
	     Multimedia Prod.
	     Pub. I, II (Newspaper)
	
	▸ Students can only count one work-based learning program toward completion of primary credits.
	▸ Students must complete at least one competency course credit, as designated by an asterisk.
	▸ Students can only count one career awareness course toward completion of primary credits.

Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Adv. Technical Drafting Fine Arts Survey Principles of Business AP Studio 3-D Design Graphic Arts Psychology Art I, II, III, IV Intro to Bus. Comp. App. Senior Project Customer Service Keyboarding Sociology English Elective Keyboarding Apps. Theatre I Entrepreneurship Library Science Elective World History Financial Math Music and Technology Speech I Photography I ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation Courses:	Customer Service Keyboarding Web Design I, II Graphic Arts I Telecommunications IBCA
Industry Based Certifications:	**Related Certification(s):** ADDA CIW Adobe Certified User Customer Service Autocad IC^3 PrintED
Postsecondary Education Programs:	Journalism Mass Communications Speech
Occupations:	Journalist Reporter News Analyst Speech Therapist

Career Cluster:	**Arts, A/V Technology, and Communication**		
Career Pathway:	**Performing Arts**		
Primary Courses: (must complete a minimum of 4 credits)	Advanced Band (5 credits) Advanced Chorus Advanced Dance Advanced Orchestra Advanced Theatre AP Music Theory Beginning Band Beginning Choir Beginning Orchestra Brass Ensemble Composition Dance I Education for Careers or Journey to Careers or JAG	~~General Music~~ ~~Guitar Class~~ Inst. Tech. Class Instrumental Technique Intermediate Band Intermediate Choir Jazz Ensemble Jazz Ensemble II ~~Music Appreciation~~ Music History Music Theory I Perc. Ensemble	~~Piano Class~~ Pub. I, II (Yearbook) Small Vocal Ensemble Speech I, II, III, IV String Ensemble Studio Piano I, II, III Talented Music I - IV Talented Theatre I, II, III,IV Tech. Theatre I, II, III Theater Design and Technology Theatre I-IV Vocal Wind Ensemble
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Applied Music Art III Basic Tech. Draft I Basic Wood Tech Commercial Art I Customer Service Digital Graphics and Animation Entrepreneurship Financial Math	Fine Arts Survey General Music Graphic Arts I, II Guitar Class Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. Music Appreciation Music and Media Music and Technology	Music—Elective Piano Class Principles of Business Psychology Senior Project Sociology T V Production I World Geography World History Speech I
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service Graphic Arts I	IBCA Keyboarding	
Industry Based Certifications:	**Related Certification(s):** ADDA Customer Service	IC³ PrintED	
Postsecondary Education Programs:	Dance Music Performing Arts		
Occupations:	Cinematographers, Film/Video Editors Production Managers, Digital, Video, Stage Composers, Conductors, and Music Instructors Dancers Directors and Coaches, Performers, Actors, Musicians Stagecraft Designers, Lighters, Sets, Sound Effects, Acoustics, Painters		

Career Cluster:	Arts, A/V Technology, and Communication		
Career Pathway:	Photography		
Primary Courses: (must complete a minimum of 4 credits)	CTE Internship I Education for Careers or Journey to Careers or JAG	Fine Arts Survey Graphic Arts I, II	Media Arts I-IV *Photography I, II
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Art I, II, III Commercial Arts Customer Service Entrepreneurship	Financial Math Intro to Bus. Comp. App. Keyboarding Keyboarding Apps.	Principles of Business Senior Project Speech I, II, III, IV Television Production
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service Graphic Arts I		IBCA Keyboarding
Industry Based Certifications:	**Related Certification(s):** Customer Service IC^3 PrintED		
Postsecondary Education Programs:	Apprenticeship Two-year postsecondary education		
Occupations:	Commercial Photographers, Digital, Still, Video, Film Graphic Designers		

Career Cluster:	Arts, A/V Technology, and Communication		
Career Pathway:	Printing Technology		
Primary Courses: (must complete a minimum of 4 credits)	Computer Multimedia Pres. CTE Internship I	Desktop Publishing Education for Careers or Journey to Careers or JAG	Graphic Arts I, II Media Arts I *Printing I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Art I Customer Service Entrepreneurship Financial Math	Fine Arts Survey General Tech. Ed. Intro to Bus. Comp. App. Keyboarding	Keyboarding Apps. Principles of Business Senior Project Speech I
	▸ If not included in the Primary Courses, any of the following should be included in the Related Courses, Speech I, Entrepreneurship, Financial Math, and Principles of Business. ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service Graphic Arts I	IBCA Keyboarding	
Industry Based Certifications:	**Related Certification(s)** Customer Service IC^3 PrintED		
Postsecondary Education Programs:	Apprenticeship Printing Technology		
Occupations:	Computer Typography and Composition Equipment Operators Desktop Publishing Specialists; Web Page Designer Graphics and Printing Equipment Operators Lithographers and Platemakers		

Career Cluster:	Business, Management and Administration		
Career Pathway:	**Administrative Support**		
Primary Courses: **(must complete a minimum of 4 credits)**	*Accounting I, II *Admin. Sup. Occ. *Bus. Comp. App. Business Law Computer Tech Literacy Cooperative Office Ed.	CTE Internship I Desktop Publishing Education for Careers or Journey to Careers or JAG Entrepreneurship Financial Math General Coop. Ed.	*Intro to Bus. Comp App. Keyboarding Keyboarding Apps. Principles of Business Speech I, II, III, IV Telecommunications (Bus) *Word Processing
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Advanced Math I, II Business Education Elec. Calculus Pre-Calculus Customer Service Speech I	Digital Graphics and Animation Economics Financial Math Journalism I Principles of Marketing I	Psychology Pub. I (Newspaper) Pub I (Yearbook) Senior Project Sociology Web Design I
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Business Computer Apps. Intro to Business Comp Apps	Computer/Tech. Literacy Customer Service	Keyboarding Telecommunications
Industry Based Certifications:	Related Certification(s): Customer Service IC^3	Microsoft Certified Application Specialist MCAS (Word, Excel, Access, PowerPoint, Outlook)	
Postsecondary Education Programs:	Management and Supervision Office Administration		
Occupations:	Administrative Assistant Computer Operator Data Entry Specialist	Desktop Publisher Executive Assistant Information Assistant	Office Manager Receptionist Word Processor

Career Cluster:	Business, Management and Administration		
Career Pathway:	Business Administration		
Primary Courses: **(must complete a** **minimum of 4 credits)**	*Accounting I, II Admin. Sup. Occ. Business Com. App. Business Law Computer/Tech Literacy Cooperative Office Ed. CTE Internship I	Customer Service Economics Education for Careers or Journey to Careers or JAG Entrepreneurship Financial Math General Coop. Ed.	Intro to Business Comp App. Keyboarding Keyboarding Apps *Principles of Business Speech I, II, III, IV Telecommunications (Bus) Word Processing
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: **(must complete a minimum of** **2 credits, one must be a** **computer course credit,** **unless 5 credits are** **completed from the** **Primary Courses and students** **complete one computer** **course credit)**	Advanced Math I, II Algebra III Business Education Elec. Calculus Pre-Calculus Computer Architecture	Digital Graphics and Animation Law Studies Marketing Mgmt. Principles of Marketing I Probability/Stat	Psychology Senior Project Sociology Speech I, II, III, IV Web Design I World History World Geography
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation **Courses:**	BCA BCA—Intro to Computer/Technology Customer Service	Keyboarding Literacy Telecommunications	
Industry Based **Certifications:**	**Related Certification(s):** Customer Service IC[3]	Microsoft Certified Application Specialist	MCAS (all five levels)
Postsecondary **Education Programs:**	Accounting Business Administration	General Business Human Resources Mgmt.	
Occupations:	Chief Executive Officer Controller Entrepreneurship	Financial Analyst General Manager Government Manager	Hospital Manager Public Relations Manager Risk Manager

Career Cluster:	**Education and Training**
Career Pathway:	**Advanced Studies/LA Core 4**
Primary Courses:	Students completing the coursework necessary to graduate under the LA Core 4 Graduation requirements automatically complete the Advanced Studies/LA Core 4 AOC.
Related Courses:	Students completing the coursework necessary to graduate under the LA Core 4 Graduation requirements automatically complete the Advanced Studies/LA Core 4 AOC.
Statewide Articulation Courses:	See the Success Through Articulation (STArt) Statewide Articulation Agreement
Industry Based Certifications:	**Related Certification(s):** See the BESE-Approved Industry Based Certification Matrix
Postsecondary Education Programs:	Education Science Foreign Language Social Studies Math
Occupations:	Historian Scientist Language Interpreter Teacher Mathematician

Career Cluster:	Education and Training		
Career Pathway:	Education		
Primary Courses: **(must complete a** **minimum of 4 credits)**	Advanced Child Develop. Child Development CTE Internship I	Early Childhood Ed. I, II Education for Careers or Journey to Careers or JAG Internship I (Non-CTE)	Psychology Sociology Speech I, II, III, IV *STAR I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: **(must complete a minimum of** **2 credits, one must be a** **computer course credit,** **unless 5 credits are** **completed from the** **Primary Courses and students** **complete one computer** **course credit)**	Advanced Math I, II Algebra II Art I Biology II Calculus Pre-Calculus Chemistry Customer Service	Entrepreneurship Financial Math Fine Arts Survey First Responder General Elective Sec. General Music Intro to Bus. Comp. App. Keyboarding	Keyboarding Apps. Library Science Elec. Physics Principles of Business Probability/Stat. Senior Project Speech I, II, III, IV World History
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation **Courses:**	Child Development Customer Service Early Childhood Education I, II	First Responder IBCA	Keyboarding STAR I
Industry Based **Certifications:**	**Related Certification(s):** CDA Customer Service	First Responder STAR	
Postsecondary **Education Programs:**	Education		
Occupations:	Child Care Director College/University Lecturer Professor Early Childhood Teacher Assistant Elementary Teacher Aide	Preschool or Kindergarten Teacher Aide Secondary Teacher Aide Special Education Teacher Aide	

Career Cluster:	**Education and Training**
Career Pathway:	**General Studies**
Primary Courses: **(must complete a** **minimum of 4 credits)**	Accounting I CASE-Plant Science *Horticulture Adult Responsibilities Education for Careers or Instrumental Music Agriscience I, II, III Journey to Careers or *Intro to IBCA Art I JAG Parenting—Parenthood Ed. *BCA Entrepreneurship Speech I, II CASE-Animal Science FACS I, II Vocal Music ‣ Students can only count one work-based learning program toward completion of primary credits. ‣ **Students must complete at least one industry-based certification related course from primary or related courses, as designated by an asterisk.** ‣ Students can only count one career awareness course toward completion of primary credits.
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Automotive Technician I *NCCER Carpentry I, II-T&I Science Elective Biology Elective *NCCER Electrical-AG Senior Project Cabinetmaking *NCCER Welding I, II-TE *STAR I *Customer Service *NCCER Welding I, II-T&I *Web Design Financial Math Prostart I Speech I *NCCER Carpentry-AG Publications (newspaper or *NCCER Carpentry I, II-TE Yearbook) ‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation Courses:	Accounting NCCER Carpentry I, II-TE NCCER Welding I, II-TE BCA NCCER Carpentry I, II-T&I NCCER Welding I, II-T&I Customer Service NCCER Electrical-AG Parenthood Ed. Horticulture NCCER Electrical I, II-TE Prostart I IBCA NCCER Electrical I, II-T&I STAR I NCCER Carpentry-AG NCCER Welding-AG Web Design
Industry Based Certifications:	ASE Landscape Contractor NCCER Electrical I, II-TE Cert. Internet Mous/MCASS NCCER Electrical I, II-T&I Webmaster NCCER Carpentry-AG NCCER Welding-AG Cert. Nursery & NCCER Carpentry I, II-TE NCCER Welding I, II-TE Landscape NCCER Carpentry I, II-T&I NCCER Welding I, II-T&I Professional NCCER Electrical-AG STAR Customer Service Horticulturalist License IC3
Postsecondary Education Programs:	All community college and LTC programs
Occupations:	Carpenter Information Technology Service Worker Electrician Military Teacher Hospitality Nursery/Landscaping Welder

Career Cluster:	**Finance**
Career Pathway:	**Banking and Finance (NAF Academy)**
Primary Courses: **(must complete a** **minimum of 4 credits)**	*Accounting I, II Customer Service General Coop Ed. Advanced Finance Education for Careers or Insurance *Business Com. App. Journey to Careers or *Intro to Bus. Comp App. Business Economics JAG Managerial Accounting Business in a Global Economy Entrepreneurship Principles of Accounting Business Law Ethics in Business Principles of Finance Cooperative Office Ed. *Financial Math *Principles of Business CTE Internship I Financial Planning *Financial Services ▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.
Related Courses: **(must complete a minimum of** **2 credits, one must be a** **computer course credit,** **unless 5 credits are** **completed from the** **Primary Courses and students** **complete one computer** **course credit)**	Admin. Sup. Occ. Economics Prob/Statistics Advanced Math I, II Keyboarding Senior Project Business Education Elec. Keyboarding Apps. Sociology Calculus Principles of Marketing I Word Processing Pre-Calculus Speech I World History ▸ If not included in the Primary Courses, any of the following should be included in the Related Courses, Speech I, Entrepreneurship, Financial Math, and Principles of Business. ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation **Courses:**	BCA IBCA Customer Service Keyboarding
Industry Based **Certifications:**	Customer Service MCAS (all five levels) IC³ Microsoft Certified Application Specialist
Postsecondary **Education Programs:**	Accounting Business Administration Finance
Occupations:	Credit Analyst Personal Financial Advisor Investment Advisor Tax Preparer Loan Officer Teller Operations Manager

Career Cluster:	Finance		
Career Pathway:	Economics		
Primary Courses: (must complete a minimum of 4 credits)	Accounting I, II Banking and Credit (NAF) Business Com. App. Cooperative Office Ed.	CTE Internship I *Economics Education for Careers or Journey to Careers or JAG	Financial Math General Coop. Ed. Intro to Bus. Comp. App. Principles of Business
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Admin. Sup. Occ. Business Education Elec. Business Law Customer Service	Entrepreneurship Financial Math Intro to Bus. Comp. App. Keyboarding	Keyboarding Apps. Principles of Business Senior Project Speech I, II, III, IV
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	BCA Customer Service	IBCA Keyboarding	
Industry Based Certifications:	**Related Certification(s):** Customer Service IC^3	MCAS (five areas) Microsoft Certified Application Specialist	
Postsecondary Education Programs:	Business Administration Economics Finance		
Occupations:	Business Analyst Cost Analyst Investment Analyst	Management Analyst Project Analyst	

Career Cluster:	Government and Public Administration		
Career Pathway:	JROTC		
Primary Courses: (must complete a minimum of 4 credits)	American Government	Education for Careers or Journey to Careers or JAG	*JR. ROTC I – IV JR. ROTC I-A – IV-A Law Studies World Geography
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Math I, II Biology II Business Law Computer Tech/Lit Construction Technology Customer Service Entrepreneurship Financial Math	First Responder Intro to Bus. Comp. App. JR. ROTC Elective Keyboarding Keyboarding Apps. P.E. III Physics Principles of Business	Psychology Senior Project Social Studies Elec. Sociology Speech I World Geography World History
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service First Responder	IBCA Keyboarding	
Industry Based Certifications:	**Related Certification(s):** Customer Service	First Responder IC^3	
Postsecondary Education Programs:	4-Year Universities/Colleges Technical Colleges Special Purpose Schools Military	2-Year Colleges State Registered Apprenticeships On-the-Job Training	
Occupations:	Law Enforcement Federal Aviation Administration (FAA) National Transportation Safety Board (NTSB) Scientific & Technical Services National Aeronautical and Space Administration (NASA) Aircraft & System Maintenance	Fire Sciences Military Service Meteorologist Aerospace Engineer Airline & Airport Operations	

Career Cluster:	Health Science		
Career Pathway:	**Dental**		
Primary Courses: **(must complete a** **minimum of 4 credits)**	Anatomy and Physiology Biology II Coop. Health Occ.	CTE Internship I *Dental Assistant I, II Education for Careers or Journey to Careers or JAG	General Coop. Education Intro. to Health Occ. Nurse Assistant
	▶ Students can only count one work-based learning program toward completion of primary credits. ▶ Students must complete at least one competency course credit, as designated by an asterisk. ▶ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Adv. Nutrition and Food AHEC EMT Basic Customer Service Entrepreneurship	Financial Math First Responder Intro to Bus. Comp. App. Keyboarding Keyboarding Apps.	Nutrition and Food Physics Principles of Business Senior Project Speech I
	▶ All computer courses approved by BESE ▶ All foreign language courses ▶ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Advanced Nutrition and Food Customer Service EMT Basic	First Responder Intro to BCA Keyboarding	Nurse Assistant Nutrition and Food
Industry Based Certifications:	**Related Certification(s):** CNA Customer Service	Dental Radiology EMT-Basic	First Responder Intro to BCA (IC[3])
Postsecondary Education Programs:	Biology Chemistry	Dental	
Occupations:	Dental Assistant/Hygienist Dental Lab Technician	Dentist Orthodontist	

Career Cluster:	Health Science		
Career Pathway:	Emergency Health Care		
Primary Courses: (must complete a minimum of 4 credits)	Allied Health Services I, II Anatomy and Physiology CTE Internship I Education for Careers or Journey to Careers or JAG	*EMT—Basic *First Responder Health Science I, II Intro to Emer. Med. Tech. Intro to Health Occ.	Medical Terminology Nurse Assistant Psychology Sports Medicine I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Adv. Child Development Advanced Math I, II Adv. Nutrition and Food AHEC Algebra II Biology II Calculus	Pre-Calculus Chemistry II Customer Service Dental Assistant I Early Childhood Education I Financial Math Health and P. E. III	Health Occupation Elec. I Physics Principles of Business Senior Project Sociology Speech I, II, III, IV Trigonometry-Local Elective
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Adv. Child Development Adv. Nutrition and Food Customer Service	Early Childhood Ed. EMT Basic First Responder	Nurse Asst. Sports Medicine
Industry Based Certifications:	**Related Certification(s):** CDA CNA	Customer Service EMT-Basic	First Responder
Postsecondary Education Programs:	Allied Health Biology EMT—Basic Nursing	Paramedic Pre-Med Sports Medicine	
Occupations:	Athletic Trainer EMT—Basic EMT—Intermediate	First Responder Nursing Paramedic	

Career Cluster:	**Health Science**		
Career Pathway:	**Health Professionals**		
Primary Courses: (must complete a minimum of 4 credits)	*Allied Health Services I, II Anatomy and Physiology Biology II Chemistry II Coop. Health Occ. CTE Internship I	Dental Asst. I Education for Careers or Journey to Careers or JAG EMT—Basic First Responder General Coop. Ed. *Health Science I, II	Intro to Health Occ. Medical Assistant I *Medical Terminology Nurse Assistant Pharmacy Technician Sports Medicine I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Adv. Child Development Advanced Math I, II Adv. Nutrition and Food AHEC Algebra II Business Law Calculus Pre-Calculus Chemistry Child Development	Customer Service Early Childhood Education Entrepreneurship Financial Math Forensic Science Health Occ. Elect. I, II Intro to Bus. Comp. App. Intro to Emer. Med. Tech. Keyboarding Keyboarding Apps.	Nutrition and Food Physics Physics II Physics for Tech (Regular) Principles of Business Psychology Senior Project Sociology Speech I, II, III, IV
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Adv. Child Development Adv. Nutrition & Food Child Development Customer Service	Early Childhood Ed. EMT-Basic First Responder IBCA	Nurse Assistant Nutrition and Food Sports Medicine
Industry Based Certifications:	**Related Certification(s):** CDA CNA Customer Service	Dental Radiology EMT-Basic	First Responder IC^3 Pharmacy Tech.
Postsecondary Education Programs:	Allied Health Biology Dental Microbiology	Nursing Pharmacy Pre-Med. Sports Medicine	
Occupations:	Health Educator Health Information Coder Healthcare Administrator Lab Tech.	Licensed Practical Nurse Medical Assistant Patient Advocates Physician	Physician's Assistant Psychiatric Tech. Radiology Tech. Surgical Tech.

Career Cluster:	Health Science		
Career Pathway:	**Nursing**		
Primary Courses: **(must complete a minimum of 4 credits)**	Allied Health Services I Anatomy and Physiology Coop. Health Occ. CTE Internship I Education for Careers or Journey to Careers or JAG	EMT Basic First Responder General Coop. Ed. Health Science I, II Intro to Emer. Med. Tech.	Intro to Health Occup. Medical Asst. I, II, III Medical Terminology *Nurse Assistant Patient Care Technician (PCT)
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Adv. Child Development Advanced Math I, II Adv. Nutrition and Food AHEC Biology Elective Biology II Chemistry Child Development Communication Tech. I Customer Service	Early Childhood Education Entrepreneurship Financial Math Health Occupation Elect. I Integrated Science Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. Mathematics Elective Nutrition and Food	P.E. III Physical Education Elec. Physics Physics of Tech I (Voc.) Principles of Business Psychology Senior Project Sociology Speech I, II, III, IV
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Adv. Child Development Adv. Nutrition and Food Child Development	Customer Service Early Childhood Ed. EMT—Basic First Responder	IBCA Keyboarding Nurse Assistant Nutrition and Food
Industry Based Certifications:	**Related Certification(s):** CDA Certified Nursing Assistant Customer Service	EMT-Basic First Responder IC[3]	
Postsecondary Education Programs:	EKG Technician Nursing	Phlebotomy Pre-Nursing	
Occupations:	Home Health Aide Licensed Practiced Nurse	Nursing Assistant PCT Registered Nurse	

Career Cluster:	Health Science		
Career Pathway:	**Nutrition and Food**		
Primary Courses: **(must complete a minimum of 4 credits)**	*Adv. Nutrition and Food Chemistry CTE Internship I Culinary Occupations I	Education for Careers or Journey to Careers or JAG Family Life Ed. FCS	Food Science Food Service I Gen. Coop. Ed. *Nutrition and Food
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Adv. Child Development Adult Responsibilities Biology II Child Development Coop. Fam. and Consumer Sci. Customer Service Early Childhood Education Entrepreneurship	Environmental Science Fam. and Cons. Sci. Elect. FCS Financial Math Food Services II Intro to Bus. Comp. App. Keyboarding	Keyboarding Apps. Nurse Assistant Principles of Business Prostart I, II Senior Project Speech I, II, III, IV
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Advanced Child Dev. Advanced Nutrition & Food Child Development	Customer Service Early Childhood Ed. IBCA	Keyboarding Nurse Assistant Nutrition and Food ProStart I, II
Industry Based Certifications:	**Related Certification(s):** ACF Junior Culinarian ACF Secondary	 CDA CNA	Customer Service IC[3] Prostart
Postsecondary Education Programs:	Nutrition and Food		
Occupations:	Dietetic Technician Dietitian	Food Services Manager/Supervisor/Director Nutritionist	

Career Cluster:	Health Science		
Career Pathway:	Pharmacy		
Primary Courses: (must complete a minimum of 4 credits)	Anatomy and Physiology Biology II Chemistry I	CTE Internship I Education for Careers or Journey to Careers or JAG Intro. to Health Occ.	Intro. to Pharmacy Asst. Medical Terminology *Pharmacy Technician
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Math I, II Advanced Nutrition/Food AHEC Calculus	Chemistry II Customer Service Entrepreneurship Financial Math Nutrition and Food	Physics Principles of Business Senior Project Speech I, II, III, IV
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Advanced Nutrition and Food Customer Service Nutrition and Food		
Industry Based Certifications:	**Related Certification(s):** Customer Service Pharmacy Technician		
Postsecondary Education Programs:	Pharmacy		
Occupations:	Pharmacist	Pharmacy Technician	

Career Cluster:	Health Science		
Career Pathway:	Sports Medicine		
Primary Courses: (must complete a minimum of 4 credits)	Adv Nutrition & Food Allied Health Services I Anatomy and Physiology CTE Internship I Education for Careers or Journey to Careers or JAG	EMT Basic First Responder Health Sciences I, II Intro to Health Occ. Medical Terminology	Nurse Assistant Nutrition and Food Psychology *Sports Medicine I, II, III
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Accounting I Advanced Math I, II AHEC Biology II Calculus Pre-Calculus Chemistry Chemistry II	Customer Service Dance I-IV Dental Asst. I Digital Media I Entrepreneurship Financial Math Health Occupation Elec. I Intro to Bus. Comp. App. Keyboarding	Keyboarding Apps. P. E. III Physics Principles of Business Senior Project Sociology Speech I, II, III, IV Trigonometry-Local Elective
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Adv. Nutrition & Food Customer Service EMT—Basic	First Responder IBCA Keyboarding	Nurse Assistant Nutrition and Food Sports Medicine
Industry Based Certifications:	**Related Certification(s):** CNA Customer Service EMT-Basic	First Responder IC^3	
Postsecondary Education Programs:	Sports Medicine		
Occupations:	Athletic Trainer Exercise Physiologist	Massage Therapist Physical Therapist/Assistant	

Career Cluster:	Hospitality and Tourism		
Career Pathway:	Culinary Arts		
Primary Courses: (must complete a minimum of 4 credits)	Adv. Nutrition and Food *Baking & Pastry Arts I, II Coop. FCS CTE Internship I *Culinary Occupations I, II	Education for Careers or Journey to Careers or JAG Food Science *Food Service I, II	General Coop. Ed. Nutrition and Food *Pro Start I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Advertising and Sales Promotion Art I Chemistry Customer Service Entrepreneurship	FCS Elec. Financial Math Fine Arts Survey Food Service Technician Intro to Bus. Comp. App. Keyboarding Keyboarding Apps.	Personal and Family Finance Principles of Business Psychology Senior Project Sociology Speech I Tourism Marketing
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Advanced Nutrition & Food Customer Service	IBCA Keyboarding	Nutrition and Food ProStart I, II
Industry Based Certifications:	Related Certification(s): ACF Junior Culinarian ACF Secondary Certification	Customer Service IC^3 Prostart	
Postsecondary Education Programs:	Culinary Arts Food Service	Restaurant, Food and Beverage Services Service Management	
Occupations:	Banquet Set-Up Employee Banquet Server	Caterer Cook	Executive Chef

Career Cluster:	Hospitality and Tourism		
Career Pathway:	Tourism and Lodging		
Primary Courses: (must complete a minimum of 4 credits)	Accounting I Coop. Marketing Ed. CTE Internship I Customer Service Education for Careers or Journey to Careers or JAG ▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.	Entrepreneurship Financial Math General Coop. Ed. *Lodging Management I, II	Principles of Business Principles of Marketing I *Tourism Marketing World Geography
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Nutrition and Food Advanced Tech. Drafting Business Law Digital Graphics & Animation FCS I, II ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.	Food Service I Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. Marketing Ed. Elec. Marketing Management Marketing Research	Nutrition and Food ProStart I Psychology Telecommunications (Bus) Senior Project Sociology Speech I
Statewide Articulation Courses:	Customer Service IBCA	Keyboarding Prostart I	
Industry Based Certifications:	**Related Certification(s):** ACF Junior Culinarian ACF Secondary Certification Customer Service	IC[3] Prostart Skills for Success-Rooms Division	
Postsecondary Education Programs:	Hospitality and Tourism	Lodging Management I Travel and Tourism	
Occupations:	Executive Housekeeper Front Desk Supervisor Front Office Manager	Guest Room Attendant Reservationist Rooms Division Manager	

Career Cluster:	Human Services		
Career Pathway:	Child Development Services		

Primary Courses: (must complete a minimum of 4 credits)	Adult Responsibilities
	Advanced Child Devel.
	Child Development
	Coop. FCS
	CTE Internship I
		*Early Childhood Ed. I, II
		Education for Careers or
		   Journey to Careers or
		   JAG
		FCS I, II
			General Coop. Ed.
			Parenthood Education
			Psychology
			Sociology

	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Advanced Nutrition and Food Art I Business English Business Law Clothing and Textiles Customer Service Entrepreneurship	Environmental Science Fam. and Con. Sc. Elec. I Financial Math First Responder Intro to Bus. Comp. App. Keyboarding Keyboarding Apps.	Nurse Assistant Nutrition and Food Principles of Business Senior Project Speech I STAR I Tech. Ed. Elec.
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Advanced Nutrition and Food Child Development Customer Service	Early Childhood Ed. I, II First Responder IBCA	Keyboarding Nurse Assistant Nutrition and Food STAR I
Industry Based Certifications:	**Related Certification(s):** CDA Child Development Associate CNA Customer Service	First Responder IC^3 STAR	
Postsecondary Education Programs:	Early Childhood Development		
Occupations:	Assistant Director, Childcare Facilities Childcare Assistant/Worker Educator for Parents	Nanny Preschool Teacher Teacher's Assistant	

Career Cluster:	Human Services		
Career Pathway:	**Management of Family Resources**		

Primary Courses: (must complete a minimum of 4 credits)	*Adult Responsibilities
	Adv. Nutrition and Food
	Cooperative Office Ed.
	CTE Internship I
	Education for Careers or
	    Journey to Careers or
	    JAG
		FCS I, II
		Family Life Ed.
		Financial Math
		Nutrition and Food
		General Coop. Ed
			*Parenthood Education
			*Personal and Family Fin.
			Psychology
			Sociology

	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Adv. Child Development Advanced Cloth. and Text. Advanced Math I, II Algebra II Business Education Elec. Pre-Calculus Child Development Clothing and Textiles Cloth. and Text. Occ. I	Customer Service Early Childhood Ed. I Economics Entrepreneurship Environmental Science FCS I Food Science Food Service I House and Int. Design	Intro to Bus. Comp. App. Keyboarding Keyboarding App. Physical Science Principles of Business Principles of Marketing I Retail Marketing Senior Project Speech I, II, III, IV
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Adv. Child Development Child Development	Customer Service IBCA	Keyboarding Nutrition and Food
Industry Based Certifications:	**Related Certification(s):** ACF Junior Culinarian ACF Secondary Certification	CDA Customer Service IC^3 ProStart	
Postsecondary Education Programs:	Family and Consumer Science	Human Ecology Social Science	
Occupations:	Certified Financial Planner Consumer Advocate Consumer Affairs Officer Consumer Credit Counselor	Consumer Research Department Representative Cooperative Extension Specialist Market Researcher	

Career Cluster:	Human Services		
Career Pathway:	**Personal Care Services** (Cosmetology, Barbering)		
Primary Courses: (must complete a minimum of 4 credits)	*Barbering I-IV *Cosmetology I, II CTE Internship I	Education for Careers or Journey to Careers or JAG FCS I	General Cooperative Ed. Nutrition and Food Principles of Business
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Adult Responsibilities Adv. Nutrition and Food Customer Service Entrepreneurship FCS II	Financial Math Health Education Intro to Bus. Comp. App. Keyboarding Keyboarding Apps.	Principles of Business Senior Project Speech I T & I Elective
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Adv. Nutrition and Food Customer Service	IBCA Keyboarding Nutrition and Food	
Industry Based Certifications:	**Related Certification(s):** Barber License Customer Service	IC^3 Licensed Cosmetologist	
Postsecondary Education Programs:	Apprenticeship Two-year postsecondary education		
Occupations:	Cosmetologist	Nail Technician Skin Care Specialist	

Career Cluster:	Human Services		
Career Pathway:	Social Services		
Primary Courses: (must complete a minimum of 4 credits)	Adult Responsibilities Adv. Child Development *Child Development	CTE Internship I Education for Careers or Journey to Careers or JAG Parenthood Education	Psychology *Sociology Speech I, II, III, IV
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Customer Service Entrepreneurship Family Life Education	Financial Math Intro to Bus. Comp. App. Keyboarding Keyboarding Apps.	Principles of Business Senior Project World History Speech I
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Adv. Child Development Child Development	Customer Service IBCA	Keyboarding Parenthood Education
Industry Based Certifications:	**Related Certification(s):** Customer Service IC^3		
Postsecondary Education Programs:	Mental Health Services	Social Work	
Occupations:	Marriage, Child and Family Counselors Psychologists	Social and Human Services Assistant Social Worker Sociologists	

Career Cluster:	Information Technology		
Career Pathway:	AOIT (NAF - Academy of Information Technology)		
Primary Courses: (must complete a minimum of 4 credits)	Computer Networking *Computer Sys./Net. I, II *Computer Systems CTE Internship I Database Design	Digital Media I Education for Careers or Journey to Careers or JAG Intro to Programming *Networking Basics	*Principles of Info Tech. Routers and Routing Basics Switching Basics and Intermediate Routing Web Design
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Adv. Technical Drafting Art I Computer Sys. and Net. I, II Customer Service Desktop Publishing Entrepreneurship	Financial Math Independent Study - Tech JROTC I – IV Journalism Media Arts I-IV Multimedia Prod. Principles of Business	Pub. I, II (Newspaper) Pub I, II (Yearbook) Senior Project Speech I TV Prod. I, II Speech I
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Customer Service Web Design		
Industry Based Certifications:	**Related Certification(s):** Adobe Certified Assoc. ADDA	Autocad CIW Cisco	Comptia A+ Customer Service Network +
Postsecondary Education Programs:	Computer System Networking Electronics and Computer Engineering Technology Network Specialist		
Occupations:	Computer Programmer Systems Network Specialist		

Career Cluster:	Information Technology		
Career Pathway:	Computer Electronics		
Primary Courses: (must complete a minimum of 4 credits)	Basic E/E Tech. *Comp. Architecture *Computer Electron. I, II Computer Science I, II *Comp. Serv. Tech. I, II	Computer Sys/Net. I, II Computer Tech/Lit Coop Tech. Ed. CTE Internship I	Education for Careers or Journey to Careers or JAG Electronics I, II General Coop. Ed. Indep. Study Tech/App. Phys. of Tech. I—CTE
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		

Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I
	 Advanced Math I, II
	 Advanced Tech Drafting
	 Algebra II
	 Architectural Drafting
	 Basic Electricity I
	 Basic Electricity/
	   Electronics I
	 Basic Tech. Drafting
	 Calculus
	 Pre-Calculus
		Chemistry
		 Customer Service
		 Digital Electronics
		 Digital Graphics &
		   Animation
		 Entrepreneurship
		 Financial Math
		 General Technology Ed.
		 Geometry
		 Intro to Bus. Comp. App.
		 Keyboarding
		 Keyboarding Apps.
		 NCCER Electrical-AG
			NCCER Electrical I, II-TE
			 NCCER Electrical I, II-T&I
			 Physics
			 Physics for Tech (Reg.)
			 Principles of Business
			 Psychology
			 Senior Project
			 Sociology
			 Speech I, II, III, IV
			 T & I Elective
			 Tech Educ. Elec. I
			 Telecommunications (Bus.)

	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Computer Electronics I, II Customer Service Computer Service Technology I, II IBCA Keyboarding		
Industry Based Certifications:	**Related Certification(s):** Customer Service NCCER Electrical-AG A+ IC^3 NCCER Electrical I, II-TE ADDA NCCER Electrical I, II-T&I		
Postsecondary Education Programs:	Computer System Networking Electronics and Computer Engineering Technology Network Specialist		
Occupations:	Application Integrator Instructional Designer Database Administrator Technical Support Engineer Help Desk Specialist Technical Writer		

Career Cluster:	**Information Technology**		
Career Pathway:	**Computer Engineering Systems (Oracle Internet Academy)**		
Primary Courses: (must complete a minimum of 4 credits)	Advanced Math Calculus Computer Science I	CTE Internship I *Data MRD Education for Careers or Journey to Careers or JAG	*Intro. to SQL Physics Principles of Business
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Advanced Math Business Law Calculus Pre-Calculus Computer Electron I, II Computer Integrated Mfg. Customer Service	Digital Electronics Entrepreneurship Financial Math General Technology Ed. Intro to Bus. Comp. App. Intro to Eng. Design Keyboarding Keyboarding Apps.	Law Studies Media Arts I-IV Principles of Engineering Psychology Senior Project Sociology Speech I Trigonometry-Local Elective
	▸ If not included in the Primary Courses, any of the following should be included in the Related Courses, Speech I, Entrepreneurship, Financial Math, and Principles of Business. ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Computer Electronics I, II Customer Service	IBCA Keyboarding	
Industry Based Certifications:	**Related Certification(s):** Cisco Certified Internetwork Expert Cert. Comp TIA Certification – A+ Comptia A+	Customer Service IC[3] Oracle Certification Microsoft Certified Professional	
Postsecondary Education Programs:	Applied Computer Science	Computer Engineering Computer Science	
Occupations:	Applications Engineer Computer Engineer Computer Programmer	Game Programmer Operating Systems Designer/Engineer Software Applications Architect	

Career Cluster:	Information Technology		
Career Pathway:	Computer Science		
Primary Courses: (must complete a minimum of 4 credits)	Advanced Math I, II Computer Architecture Comp. Multi-media Pres. *Computer Science I, II	Computer Service Tech. I, II *Computer Sys/Net I, II CTE Internship I	Education for Careers or Journey to Careers or JAG Physics Web Design
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Business Law Pre-Calculus Computer Electronics I, II Customer Service Entrepreneurship	Financial Math General Technology Ed. Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. Media Arts I-IV Principles of Business	Psychology Senior Project Sociology Speech I, II, III, IV Trigonometry-Local Elective
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Computer Electronics Computer Service Technology	Customer Service IBCA	Keyboarding Web Design
Industry Based Certifications:	**Related Certification(s):** Adobe Certified Associate Cisco Certified Internetwork Expert Certification CIW		CompTIA Certification-A+ Customer Service IC3
Postsecondary Education Programs:	Applied Computer Science Computer Science Computer Engineering		
Occupations:	Applications Engineer Computer Programmer Game Programmer		Operating Systems Designer/Engineer Software Applications Architect

Career Cluster:	Information Technology		
Career Pathway:	Information Systems		
Primary Courses: (must complete a minimum of 4 credits)	Basic E/E Tech. *Business Comp. App. *Comp. Multimedia Pres. Computer Science I Computer Sys/Net I *Computer Tech/Lit Cooperative Office Ed. CTE Internship I	*Desktop Publishing Digital Graphics and Animation Digital Media I, II Education for Careers or Journey to Careers or JAG General Coop. Ed. Intro to Bus. Comp. App.	Keyboarding Keyboarding Apps. Multimedia Prod. Psychology Telecommunications (Bus.) Word Processing *Web Design
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Advanced Math I, II Advanced TV Broadcast I Algebra II Basic Electricity I Business Education Elec. Business English Calculus Pre-Calculus Chemistry Computer Architecture Computer Electron. I	Computer Science II Computer Sys/Net II Customer Service Economics Electronics I Entrepreneurship Financial Math General Technology Ed. Indep. Study Tech/App. Journalism NCCER Electrical-AG NCCER Electrical I, II-TE	NCCER Electrical I, II-T&I Physics Physics for Tech. (Regular) Physics of Tech. I (Voc.) Principles of Business Pub. I (Newspaper) Pub. I (Yearbook) Senior Project Sociology Speech I, II, III, IV Tech Educ. Elec. I TV Production I
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	BCA Computer Tech/Lit Customer Service		IBCA Keyboarding Web Design I, II
Industry Based Certifications:	**Related Certification(s):** Adobe Certified Associate CIW Customer Service	IC^3 NCCER Electrical-AG NCCER Electrical I, II-TE	NCCER Electrical I, II-T&I Microsoft Certified Application Specialist
Postsecondary Education Programs:	Computer and Information Science and Support Services Computer and Information Sciences		Information Systems Applications Web Administrator
Occupations:	Database Administrator Desktop Publisher E-Business Specialist		Publications Specialist Support Engineer Technical Communicator

Career Cluster:	Information Technology		
Career Pathway:	Network Services and Operations		
Primary Courses: (must complete a minimum of 4 credits)	CTE Internship I Education for Careers or Journey to Careers or JAG	Digital Networks *Networking Basics	Routers & Routing Basics Switching Basics and Intermediate Routing WAN Technologies
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Comp. Multimedia Pres. Computer Syst./Net. I & II Customer Service	Entrepreneurship Financial Math	Principles of Business Senior Project Speech I
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service		
Industry Based Certifications:	**Related Certification(s):** Cisco Certified Network Assoc. Customer Service		
Postsecondary Education Programs:			
Occupations:			

Career Cluster:	Law, Public Safety, Corrections, and Security		
Career Pathway:	Law Enforcement Services		
Primary Courses: (must complete a minimum of 4 credits)	American Government Business Law *Criminal Justice Elective I *Criminal Justice Elective II CTE Internship	Education for Careers or Journey to Careers or JAG EMT Basic First Responder Forensic Science	JR ROTC IV *Law Studies Psychology Sociology Speech I, II, III, IV
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Customer Service Entrepreneurship Financial Math JR ROTC III	Medical Terminology P.E. Elective P.E. III Principles of Business Science Elective	Senior Project Social Studies Elective World Geography World History
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service	EMT—Basic First Responder	
Industry Based Certifications:	**Related Certification(s):** Customer Service EMT	First Responder	
Postsecondary Education Programs:	Criminal Justice Customer Service		
Occupations:	Forensic Scientist	Investigator	

Career Cluster:	Law, Public Safety, Corrections, and Security
Career Pathway:	Legal Services
Primary Courses: (must complete a minimum of 4 credits)	American Government Internship (Non-CTE) Psychology *Business Law *Law Studies I Sociology Education for Careers or Speech I, II, III, IV Journey to Careers or JAG ▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Senior Project has to be related to the student's career major and area of concentration. ▸ Students can only count one career awareness course toward completion of primary credits.
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Intro to Bus. Comp. App. Probability/Stat. Admin. Sup. Occ. Keyboarding Psychology Business Education Elec. Keyboarding Apps. Senior Project Customer Service Medical Terminology Sociology Entrepreneurship P.E. III Western Civilization Financial Math Principles of Business World History Fine Arts Survey Principles of Marketing I ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation Courses:	Customer Service IBCA Keyboarding
Industry Based Certifications:	**Related Certification(s):** IC^3 Customer Service MCAS
Postsecondary Education Programs:	Law
Occupations:	Lawyer Paralegal

Career Cluster:	Manufacturing		
Career Pathway:	Industrial Operations		
Primary Courses: (must complete a minimum of 4 credits)	Advanced Tech. Drafting Advanced Wood Tech Agriscience I, II, III Architectural Drafting Basic Metal Tech. Basic Tech. Drafting Basic Wood Tech.	Construction Tech. Coop. Tech. Ed. CTE Internship I Diesel Mech. I Education for Careers or Journey to Careers or JAG Energy, Power and Trans. Tech.	General Coop Ed. General Technology Ed. Hull Shipbuilding *Ind. Machines Shop I, II Marine Engineering *Process Technician I, II Welding I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Math I, II Agriscience Elective I, II Algebra II Architectural Drafting Basic Metal Tech. Business English Chemistry Diesel Mech. I	Electronics I Entrepreneurship Financial Math Intro to Bus. Comp. App. Keyboarding Keyboarding Apps NCCER Weld. Tech. I TE Physics Physics for Tech. (Regular)	Principles of Business Senior Project Speech I T & I Elective Tech. Comp. Applications Theater Design and Technology Trigonometry-Local Elective Welding Technology
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Introduction to Business Computer Applications Keyboarding NCCER Welding Process Technician I, II		
Industry Based Certifications:	**Related Certification(s):** ADDA AWS Welding-Level 1	IC[3] NCCER Certification-Welding	
Postsecondary Education Programs:	Apprenticeship Manufacturing		
Occupations:	Tool and Die Makers Welder		

Career Cluster:	Manufacturing		
Career Pathway:	Jewelry Manufacturing		
Primary Courses: (must complete a minimum of 4 credits)	Art I, II *Basic Technical Drafting CTE Internship I	*Drafting/Design Tech. I, II Education for Careers or Journey to Careers or JAG	Principles of Business Technology Ed. Elective I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Art III, IV Customer Service Entrepreneurship Financial Math	General Technology Ed. Physics of Tech. (Voc.) Principles of Marketing I	Senior Project Speech I, II, III, IV T & I Elective
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Customer Service		
Industry Based Certifications:	Related Certification(s): ADDA Customer Service		
Postsecondary Education Programs:	Art		
Occupations:	Jewelry Maker		

Career Cluster:	Manufacturing		
Career Pathway:	Lab Technology		
Primary Courses: (must complete a minimum of 4 credits)	Chemistry CTE Internship I	Education for Careers or Journey to Careers or JAG	General Technology Ed. *Lab Technology I, II
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Customer Service Entrepreneurship Financial Math Intro to Bus. Comp. App.	Keyboarding Keyboarding Apps. Physics	Principles of Business Senior Project Speech I
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Customer Service	IBCA Keyboarding	
Industry Based Certifications:	**Related Certifications:** Customer Service IC^3		
Postsecondary Education Programs:	Apprenticeship Two-year postsecondary education		
Occupations:	Lab Technician Process Control Technicians		

Career Cluster:	**Manufacturing**
Career Pathway:	**Petro Chemical**
Primary Courses: **(must complete a minimum of 4 credits)**	Chemistry Energy, Power, and NCCER Inst Control Mechanic I, II CTE Internship I Trans. Tech. NCCER Pipe Fitter I, II Education for Careers or General Coop Ed. *Process Technician I, II Journey to Careers or General Technology Ed. JAG ▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Construction Tech. Intro to Bus. Comp. App. Principles of Business Entrepreneurship Keyboarding Senior Project Financial Math Keyboarding Apps. Speech I ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation Courses:	PTEC I, II
Industry Based Certifications:	**Related Certifications:** NCCER Inst. Control Mechanic I, II NCCER Pipe Fitter I, II
Postsecondary Education Programs:	Apprenticeship Two-year postsecondary education
Occupations:	Industrial Electronic Installers/Repairers Instrumentation Pipefitters

Career Cluster:	Manufacturing		
Career Pathway:	**Welding**		
Primary Courses: (must complete a minimum of 4 credits)	Advanced Metal Tech. Agriscience I, II, III Basic Metal Tech. Basic Tech. Drafting I Coop Ag. Ed. Coop. Tech. Ed. CTE Internship I Education for Careers or Journey to Careers or JAG	General Coop. Ed. General Tech. Ed. Industrial Machines Shop I Materials and Processes NCCER Pipefitter-AG NCCER Pipefitter-TE NCCER Pipefitter-T&I *NCCER Welding-AG	*NCCER Welding I, II-TE *NCCER Welding Tech I, II-T&I T & I Coop. Ed. I Tech. Educ. Elec. I Tech. Ed. Internship I & II *Welding I, II Welding Technology
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Advanced Math I, II Advanced Tech. Drafting Agriscience Elective I, II Architectural Drafting Auto Body Repair I Computer Electronics I Construction Tech. Customer Service Drafting and Design I	Electronics I Energy, Power, and Trans. Tech. Entrepreneurship Financial Math Geometry Industrial Machines Shop I Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. Math Elective NCCER Pipefitter I TE	Outdoor Power Equip I-Tech Physical Science Physics Physics for Tech (Regular) Physics of Tech. I (Voc.) Power Mechanics Principles of Business Senior Project Speech I, II, III, IV T & I Elective Tech Ed Elective Trigonometry-Local Elective
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Computer Electronics I Customer Service IBCA	Keyboarding NCCER Welding-AG NCCER Welding I, II-TE NCCER Welding Tech I, II-T&I	
Industry Based Certifications:	**Related Certifications** ADDA Autocad AWS	Customer Service IC³ NCCER Pipefitter-AG NCCER Pipefitter I, II-TE	NCCER Pipefitter I, II-T&I NCCER Welding-AG NCCER Welding I, II-TE NCCER Welding I, II-T&I
Postsecondary Education Programs:	Apprenticeship Two-year postsecondary education		
Occupations:	Drafting Welder		

Career Cluster:	Marketing, Sales and Services		
Career Pathway:	Clothing and Textiles		
Primary Courses: (must complete a minimum of 4 credits)	*Adv. Clothing & Textile Art I *Clothing and Textile Clothing & Text. Occ. I, II Coop. Marketing Ed.	CTE Internship I *Custom Sewing I, II Education for Careers or Journey to Careers or JAG FCS I, II	General Coop. Ed. Housing and Interior Des. Principles of Marketing I Retail Marketing Speech I, II, III, IV Technical Theatre
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Math I, II Art I, II, III Business English Chemistry I Costumer Customer Service	Entrepreneurship Financial Math Intro to Bus. Comp. App. Keyboarding	Keyboarding Apps. Marketing Ed. Elective Principles of Business Senior Project Speech I
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses	Customer Service IBCA Keyboarding		
Industry Based Certifications:	Related Certification(s): Customer Service IC^3		
Postsecondary Education Programs:	Apparel and Accessories Marketing Management Retail and Wholesaling Operations		
Occupations:	Fashion Designer Merchandise Buyer	Merchandising Manager Retail Marketing Coordinator Sales Associate	

Career Cluster:	Marketing, Sales and Services		
Career Pathway:	Entrepreneurship		
Primary Courses: (must complete a minimum of 4 credits)	Accounting I Advertising and Sales Promotion Business Law Coop. Marketing Ed. I Cooperative Office Ed. CTE Internship I	Customer Service Economics Education for Careers or Journey to Careers or JAG *Entrepreneurship	Financial Math General Coop. Ed. Marketing Management Media Arts IV Music and Technology Principles of Business Principles of Marketing I Retail Marketing
	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting II Business English Intro to Bus. Comp. App. Keyboarding	Keyboarding Apps. Marketing Education Elec. Psychology	Senior Project Sociology Speech I, II, III, IV Tourism
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding		
Industry Based Certifications:	**Related Certification(s):** Customer Service IC^3		
Postsecondary Education Programs:	Business Marketing Operations Enterprise Management & Operations Entrepreneurship		
Occupations:	Chief Executive Officer Entrepreneur Franchisee	Independent Distributor Small Business Owner	

Career Cluster:	**Marketing, Sales and Services**
Career Pathway:	**Marketing and Sales Management**
Primary Courses: **(must complete a minimum of 4 credits)**	*Advertising and Sales Promotion / Coop. Marketing Ed. I / CTE Internship I / Customer Service · Education for Careers or Journey to Careers or JAG / Entrepreneurship I / General Coop. Ed. I / *Marketing Management · Marketing Research / Principles of Business / *Principles of Marketing I / Retail Marketing / Telecommunications (Bus) / Tourism Marketing ▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Accounting I / Adult Responsibilities / Advanced Math I, II / Art I / Business English / Business Law / Calculus / Pre-Calculus / Economics · FCS I / Financial Math / Food Service I / Housing and Interior Design / Intro to Bus. Comp. App. / Keyboarding / Keyboarding Applications / Law Studies · Lodging Management I / Marketing Ed. Elective / Psychology / Physics / Senior Project / Sociology / Speech I, II, III, IV / Trigonometry-Local Elective ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration
Statewide Articulation Courses:	Customer Service / IBCA · Keyboarding / Telecommunications
Industry Based Certifications:	**Related Certification(s):** Customer Service · IC[3]
Postsecondary Education Programs:	Marketing Management / Marketing Research · Operations Management & Supervision / Sales Operations
Occupations:	Brand Manager / Database Manager / Knowledge Management Specialist · Marketing Strategic Planner / Product Planner / Research Associate

Career Cluster:	Marketing Sales and Services		
Career Pathway:	Upholstery		
Primary Courses: (must complete a minimum of 4 credits)	Adv. Clothing. and Textiles Art I Basic Wood Tech.	Clothing and Textiles CTE Internship I Education for Careers or Journey to Careers or JAG	Housing & Interior Design *Upholstery I, II Technical Theatre
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Art I Clothing & Textiles Occ. Customer Service Entrepreneurship Financial Math Fine Arts Survey Housing & Inter. Des. Occ. Intro to Bus. Comp. App.	Journalism Elective Keyboarding Keyboarding Apps. NCCER Welding-AG NCCER Welding Tech. I-TE NCCER Welding Tech. I-T&I Principles of Business Pub. I (Newspaper)	Pub. I (Yearbook) Senior Project Speech I Theater Design and Technology Welding I World Geography World History
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding		
Industry Based Certifications:	**Related Certification(s):** AWS Customer Service IC³	NCCER Welding-AG NCCER Welding I-TE NCCER Welding I-T&I	
Postsecondary Education Programs:	Textiles		
Occupations:	Graphic Designers, CAD Technicians, and Fashion Illustrators Interior Designers, Commercial/Residential and Home Furnishing coordinators Textile Designers		

Career Cluster:	**Science, Technology, Engineering, and Math**
Area of Concentration:	**Biotechnology Research and Development**
Primary Courses: **(must complete a minimum of 4 credits)**	*Principles of the Biomedical Sciences Journey to Careers or Education for Careers *Human Body Systems or JAG *Medical Interventions *Biomedical Innovation ▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Anatomy and Physiology Chemistry II Advanced Math I or II Geometry Algebra II Physics I or II Biology II Probability and Statistics Calculus Speech I ▸ All computer courses approved by BESE ▸ All foreign language course
Statewide Articulation Courses:	
Industry Based Certifications:	**Related Certification(s):**
Postsecondary Education Programs:	Biology Pharmacy Pre-Med Sports Medicine Microbiology Allied Health Nursing Dental
Occupations:	Biochemist Nurse Researcher Cell Biologist Pharmacologist Diagnostic Molecular Scientist Toxicologist Genetic Counselor

Career Cluster:	Science, Technology, Engineering and Mathematics		
Career Pathway:	Drafting		
Primary Courses: (must complete a minimum of 4 credits)	*Advanced Tech. Drafting Architectural Drafting *Basic Tech. Drafting Computer Science I	Construction Tech. CTE Internship I *Drafting and Design I, II Education for Careers or Journey to Careers or JAG	General Coop. Ed. General Technology Ed Materials and Processes T & I Coop. Ed. I
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Advanced Math I, II Advanced Metal Tech. Advanced Wood Tech. Algebra II Art I Basic E/E Basic Wood Tech. Biology II Calculus Pre-Calculus Carpentry	Chemistry Construction Tech. Customer Service Entrepreneurship Financial Math Fine Arts Survey Geometry Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. NCCER Carpentry-AG NCCER Carpentry I, II-TE	NCCER Carpentry I, II-T&I Physics Physics for Tech. (Regular) Physics of Tech. I (Voc.) Principles of Business Psychology Senior Project Sociology Speech I T & I Elective Tech Educ. Elec. I Trigonometry-Local Elective
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration		
Statewide Articulation Courses:	Customer Service IBCA Keyboarding		
Industry Based Certifications:	ADDA Autocad Customer Service	IC[3] NCCER Carpentry – AG NCCER Carpentry I, II-TE NCCER Carpentry I, II-T&I	
Postsecondary Education Programs:	Architectural Engineering Drafting and Design	Interior Design Landscape Architect	
Occupations:	Architectural Engineer Drafter	Landscape Architect Mechanical Engineer	

Career Cluster:	**Science, Technology, Engineering and Mathematics**
Career Pathway:	**Engineering**

Primary Courses: (must complete a minimum of 4 credits)	Advanced E/E *Biology II Education for Careers or
	*Advanced Math Calculus Journey to Careers or JAG
	Advanced Math I, II Civil Engineering and Engineering Design I, II
	Advanced Metal Tech. Architecture Engineering Design and
	Advanced Tech. Drafting Pre-Calculus Development
	Architectural Drafting *Chemistry II General Coop. Ed.
	Aerospace Engineering Computer Science I, II General Technology Ed.
	Basic E/E Computer Integrated *Introduction to Engineering Design
	Basic Tech. Drafting Manufacturing Manufacturing Tech.
	    Construction Tech. Material and Processes
	    CTE Internship I *Physics
	    Digital Electronics *Principals of Engineering
	    Drafting and Design I, II
	
	▸ Students can only count one work-based learning program toward completion of primary credits.
	▸ Students must complete at least one competency course credit, as designated by an asterisk.
	▸ Students can only count one career awareness course toward completion of primary credits.

Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Entrepreneurship Physics Algebra II Environmental Science Physics for Tech. (Regular) Architectural Drafting Financial Math Physics of Tech. I (Voc.) Art I Fine Arts Survey Principles of Business Basic Electricity I General Technology Ed. Probability/Stat. Basic Metal Tech. Geometry Psychology Basic Tech. Drafting Intro to Bus. Comp. App. Senior Project Basic Wood Tech. Keyboarding Speech I, II, III, IV Biology II Keyboarding Apps. T&I Ed Elective Chemistry I, II NCCER Electrical-AG Tech Educ. Elect. I Earth Science NCCER Electrical-Tech Trigonometry-Local Elective Earth Science Elec. NCCER Welding-AG Welding I English IV NCCER Welding-Tech World Geography World History ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation Courses:	Welding I
Industry Based Certifications:	**Related Certification(s):** ADDA OSHA
Postsecondary Education Programs:	Civil Engineering Electronics and Electrical Engineering Computer Engineering Engineering
Occupations:	Architectural Engineer Civil Engineer Chemical Engineer Industrial Engineer Mechanical Engineer

Career Cluster:	**Transportation, Distribution, and Logistics**
Career Pathway:	**Automotive Technology**

Primary Courses: **(must complete a** **minimum of 4 credits)**	*Auto Technician I, II, III
	Basic E/E
	CTE Internship I
	Diesel Mechanics I, II
	Education for Careers or
	    Journey to Careers or
	    JAG
		Entrepreneurship
		General Cooperative Ed.
		General Technology Ed.
		NCCER Welding-AG
		NCCER Welding Tech I, II-TE
		NCCER Welding Tech I, II-T&I
			Outdoor Power Equ. Tech. I
			Power Mechanics
			Principles of Business
			T & I Coop. Ed.
			Tech. Educ. Elec. I
			Welding I, II

	▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.		

Related Courses: **(must complete a minimum of** **2 credits, one must be a** **computer course credit,** **unless 5 credits are** **completed from the** **Primary Courses and students** **complete one computer** **course credit)**	AC/Refrigeration I, II Accounting I Advanced E/E Tech. Auto Body Repair I Basic E/E Tech. Business English Computer Electronics I Customer Service Electrician I Environmental Science	Financial Math Geometry Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. Manufacturing Tech. NCCER Electrical-AG NCCER Electrical I, II-TE NCCER Electrical I, II-T&I Outdoor Power Equipment Tech. II	Physical Science Physics for Tech. (Regular) Physics of Tech. I (Voc.) Power Mechanics Senior Project Small Engines App. Sociology Speech I, II, III, IV T & I Elective
	▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.		

Statewide Articulation **Courses:**	Automotive Automotive Tech I-IV Customer Service	IBCA Keyboarding NCCER Electrical-AG NCCER Electrical-TE	NCCER Electrical-T&I NCCER Welding-AG NCCER Welding-TE NCCER Welding-T&I

Industry Based **Certifications:**	**Related Certification(s):** ASE Certification AWS Customer Service HVAC Excellence	IC^3 NCCER Electrical-AG NCCER Electrical-TE NCCER Electrical-T&I NCCER Welding-AG	NCCER Welding-TE NCCER Welding-T&I Outdoor Power Equip.Tech. Small Engines

Postsecondary **Education Programs:**	Apprenticeship Two-year postsecondary education

Occupations:	Certified Automotive Technician Electricians and Technicians Facility maintenance managers and engineers Mobile equipment maintenance managers, technician and mechanics

Career Cluster:	Transportation, Distribution, and Logistics		
Career Pathway:	Collision Repair Technology		
Primary Courses: (must complete a minimum of 4 credits)	*Auto Body Repair I, II CTE Internship I	Education for Careers or Journey to Careers or JAG	General Technology Ed.
	‣ Students can only count one work-based learning program toward completion of primary credits. ‣ Students must complete at least one competency course credit, as designated by an asterisk. ‣ Students can only count one career awareness course toward completion of primary credits.		
Related Courses: (must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)	Accounting I Advanced Tech. Drafting Art I Auto Technician I Basic Tech. Drafting Diesel Mechanics I Drafting and Design I	Entrepreneurship Financial Math Geometry Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. Physical Science Physics for Tech. (Regular)	Principles of Business Senior Project Sociology Speech I T & I Elective Telecommunications (Bus.) Welding I
	‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.		
Statewide Articulation Courses:	None currently being offered		
Industry Based Certifications:	**Related Certification(s):** ADDA ICAR		
Postsecondary Education Programs:	Apprenticeship Two-year postsecondary education		
Occupations:	Certified Automotive Technician Electricians and Technicians Facility maintenance managers and engineers Mobile equipment maintenance managers, technician and mechanics		

Career Cluster:	**Transportation, Distribution, and Logistics**
Career Pathway:	**Diesel Mechanics**

Primary Courses: **(must complete a minimum of 4 credits)**	CTE Internship I Education for Careers or General Technology Ed.
	*Diesel Mechanics I, II Journey to Careers or Power Mechanics
	                           JAG
	              General Coop. Ed.
	
	‣ Students can only count one work-based learning program toward completion of primary credits.
	‣ Students must complete at least one competency course credit, as designated by an asterisk.
	‣ Students can only count one career awareness course toward completion of primary credits.

Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Accounting I Entrepreneurship Physical Science Agriscience I Financial Math Physics for Tech. (Regular) Auto Body Repair I Intro to Bus. Comp. App. Principles of Business Auto Technician I Keyboarding Senior Project Business English Keyboarding Apps. Sociology Business Law Outdoor Power Equipment Speech I Customer Service Tech. I T & I Elective ‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation Courses:	Automotive Tech I-IV IBCA Customer Service Keyboarding
Industry Based Certifications:	**Related Certification(s):** ASE EETC Customer Service IC^3
Postsecondary Education Programs:	Apprenticeships Two-year postsecondary education
Occupations:	Diesel engine specialists Mobile Equipment Maintenance Managers, Technicians and Mechanics

Career Cluster:	**Transportation, Distribution, and Logistics**
Career Pathway:	**Marine Operations**

Primary Courses: **(must complete a** **minimum of 4 credits)**	CTE Internship I
	Education for Careers or
	   Journey to Careers or
	   JAG
	General Coop. Ed.
	
	General Technology Ed.
	*Marine Operations I, II
	Outdoor Power Equipment
	
	Power Mechanics
	Small Engines App.
	T & I Coop. Ed. I
	
	‣ Students can only count one work-based learning program toward completion of primary credits.
	‣ Students must complete at least one competency course credit, as designated by an asterisk.
	‣ Students can only count one career awareness course toward completion of primary credits.

Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Accounting I Agriscience I Business English Business Law Entrepreneurship Financial Math Intro to Bus. Comp. App. Keyboarding Keyboarding Apps. Nutrition and Food Principles of Business Senior Project Sociology Speech I T & I Elective ‣ All computer courses approved by BESE ‣ All foreign language courses ‣ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation Courses:	None currently being offered
Industry Based Certifications:	**Related Certification(s):** Outdoor Power Equipment Technician
Postsecondary Education Programs:	Logistics Transportation
Occupations:	Ship and Boat Captains

Career Cluster:	**Transportation, Distribution and Logistics**
Career Pathway:	**Power Mechanics**
Primary Courses: **(must complete a minimum of 4 credits)**	Agriscience I, II Education for Careers or *Outdoor Power Equip Tech. I, II Agriscience Power Equip Journey to Careers or Power Equip. Tech. II Auto Technician I JAG *Power Mechanics CTE Internship I General Technology Ed. ▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Accounting I Intro to Bus. Comp. App. Principles of Business Auto Technician I Keyboarding Senior Project Business English Keyboarding Apps. Sociology Customer Service NCCER Welding-AG Speech I, II, III, IV Diesel Mech. I NCCER Weld. Tech I, II-TE T & I Elective Entrepreneurship NCCER Weld. Tech I, II-T&I Tech. Educ. Elec. I Financial Math Physics for Tech. (Regular) Welding I, II Industrial Machine Shop I Physics of Tech. I (Voc.) ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation Courses:	Automotive Technician I-IV IBCA Customer Service Keyboarding
Industry Based Certifications:	**Related Certification(s):** AWS NCCER Weld-AG Customer Service NCCER Weld-TE EETC NCCER Weld-T&I IC^3 Outdoor Power Equip. Tech
Postsecondary Education Programs:	Apprenticeships Two-year postsecondary education
Occupations:	Electricians and Technicians Industrial Equipment Mechanics Mobile Equipment Maintenance Managers, Technicians and Mechanics

Career Cluster:	**Transportation, Distribution and Logistics**
Career Pathway:	**Transportation Operations**
Primary Courses: **(must complete a minimum of 4 credits)**	CTE Internship I　　Education for Careers or　　General Coop. Ed. Driver Ed. & Traffic Safety　　Journey to Careers or　　General Technology Ed. Economics　　　　　　JAG　　　　　　World Geography 　　　　　　　　*Energy, Power and 　　　　　　　　　Transportation Tech. ▸ Students can only count one work-based learning program toward completion of primary credits. ▸ Students must complete at least one competency course credit, as designated by an asterisk. ▸ Students can only count one career awareness course toward completion of primary credits.
Related Courses: **(must complete a minimum of 2 credits, one must be a computer course credit, unless 5 credits are completed from the Primary Courses and students complete one computer course credit)**	Accounting I　　　　Intro to Bus. Comp. App.　　Principles of Business Business English　　Keyboarding　　　　Senior Project Customer Service　　Keyboarding Apps.　　Sociology Entrepreneurship　　Physics of Tech. (Voc.)　　Speech I Financial Math ▸ All computer courses approved by BESE ▸ All foreign language courses ▸ Senior Project has to be related to the student's career major and area of concentration.
Statewide Articulation Courses:	Customer Service IBCA Keyboarding
Industry Based Certifications:	**Related Certification(s):** Customer Service IC^3
Postsecondary Education Programs:	Logistics Transportation
Occupations:	Terminal Supervisors Transportation Managers Truck and Bus Drivers