



Your Bridge to the Future

CTE PATHWAYS

CAREER & TECHNICAL EDUCATION
DESKTOP GUIDE

Get Involved in CTSOs

CTSOs work as an integral component of the classroom curriculum and instruction, building upon employability and career skills and concepts through the application and engagement of students in hands-on demonstrations and real life and/or work experiences through a Career and Technical Education (CTE) program. CTSOs help guide students in developing a career path, a program of study and provide opportunities in gaining the skills and abilities needed to be successful in those careers through CTSO activities, programs and competitive events. In addition, students have opportunities to hold leadership positions at the local, state, and national level and attend leadership development conferences to network with other students as well as business and industry partners. There are many **student scholarships** that can be obtained through your involvement in CTSOs. Contact your CTE teacher to find out more about the many opportunities.



DECA—An Association of Marketing Students

DECA prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management.



FBLA—Future Business Leaders of America

FBLA provides students with opportunities for leadership, community involvement, business partnerships, and competition with other students in events ranging from Public Speaking and Job Interview to Parliamentary Procedures.



FCCLA—Family, Career, and Community Leaders of America

FCCLA provides students with opportunities to attain knowledge, skills and leadership characteristics necessary to succeed in life, as well as promoting personal growth and leadership development. FCCLA prepares students for careers in Family and Consumer Science areas.



FFA- An Association of Agricultural Education Students

FFA is dedicated to making a positive difference in the lives of young people by developing their potential for premier leadership, personal growth and career success through agricultural education.



HOSA- Health Occupation Students of America

HOSA provides students with opportunities to attain knowledge, skills, and leadership characteristics necessary to succeed in a health care profession, through leadership training, career training, and service projects.



Skills USA- An Association of Skilled and Technical Science Education Students

Skills USA provides quality education experiences for students in leadership, teamwork, citizenship, and character development. The organization builds and reinforces self-confidence, work attitudes, and communication skills. It emphasizes total quality work, high ethical standards, superior work skills and lifelong education, and pride in the dignity of work.



TSA- Technology Student Association

TSA enhances personal development, leadership, and career opportunities in science, technology, engineering, and math (STEM), whereby members apply and integrate these concepts through intracurricular activities, competitions, and related programs.

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Everyone is part of a family, and FCCLA is the only national Career and Technical Student Organization with the family as its central focus.

FCCLA's mission is to promote personal growth and leadership development through Family and Consumer Sciences education. Focusing on the multiple roles of family member, wage earner and community leader, members develop skills for life through: character development, creative and critical thinking, interpersonal communication, practical knowledge, and career preparation.



The National FFA Organization (formerly known as the Future Farmers of America) envisions a future in which all agricultural education students will discover their passions and build on that insight to chart a course for their education, careers and personal futures. FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.



Agriculture, Food & Natural Resources

Career Pathway: Animal and Veterinarian Science

Required Courses: 2.0 credits	
Animal Science 1	1.0
Animal Science 2	1.0
Veterinarian Assisting	1.0

Elective Courses: 1.0 credit	
Aquaculture	1.0
Biology Agricultural Science	1.0
Business Communication 1	.50
Business Communication 2	.50
Business Management (CE-BSAD1010)	.50
Equine Science 1	.50
Equine Science 2	.50
Leadership Principles	.50
Summer Agriculture	.25
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Veterinary Assistant, Lab Animal Caretaker

Certificate:

Livestock Auctioneer, Shipping Coordinator

Associate's or Tech Degree:

Veterinary Assistant/ Technologist

Bachelor's Degree:

Animal Nutrition Specialist, CTE Teacher, Farm/Ranch Manager

Graduate Degree:

Animal Scientist, Extension Specialist, Veterinarian

Career Pathway: Plant Science

Required Courses: 2.0 credits	
Floraculture	.50
Floriculture and Greenhouse	1.0
Greenhouse	.50
Landscape	.50
Nursery Operations	.50
Plant and Soil Science 1	1.0
Plant and Soil Science 2	1.0

Elective Courses: 1.0 credit	
Biology Agricultural Science	1.0
Business Communications 1	.50
Business Communication 2	.50
Business Management (CE-BSAD1010)	.50
Leadership Principles	.50
Summer Ag	.25
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Florist, Greenhouse Worker

Certificate:

Irrigation Specialist, Pesticide Handler

Associate's or Tech Degree:

Arborist, Landscape Technician, Turf Manager

Bachelor's Degree:

CTE Teacher, Crop Advisor, Landscape Designer/Architect

Graduate Degree:

Agronomist, Extension Specialist, Microbiologist

Career Pathway: Food Science, Dietetics and Nutrition

Required Courses: 1.0 credits	
Food Science	.50
Food and Nutrition 1	.50
Foundations of Nutrition (CE-NUTR1020)	.50

Elective Courses: 2.0 credit	
Food and Nutrition 2	.50
Human Development (CE-CHF1500)	.50
Medical Anatomy and Physiology	1.0
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Nutrition and Wellness Coach, Food Production Technician, Packaging Manager

Certificate:

Food Protections Manager, Food Inspector Assistant, Food Sanitation Coordinator

Associate's or Tech Degree:

Research and Develop Tech.

Bachelor's Degree:

CTE Teacher, Dietitian/Nutritionist, Food Scientist, Nutrition Ed Specialist

Graduate Degree:

Food Microbiologist, Food Nutritionist

Career Pathway: Agricultural Production Systems

Required Courses: 2.0 credits	
Animal Science 1	1.0
Plant and Soil Science 1	1.0

Elective Courses: 1.0 credit	
Biology Agricultural Science 1	1.0
Business Management (CE-BSAD1010)	.50
Leadership Principles	.50
Summer Agricultural	.25
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:
Farm/Ranch Manager

Certificate:
Crop Scout, Storage/Hygiene Coordinator

Associate's or Tech Degree:
Ag Engineer Technician, Sales Rep. Slaughter/Processor

Bachelor's Degree:
Agricultural Inspector, CTE Teacher, Farm/Ranch Manager

Graduate Degree:
Biotechnology Research, Extension Specialist, Research Scientist



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SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel. SkillsUSA's mission is to empower its members to become world-class workers, leaders and responsible American citizens.

SkillsUSA is an applied method of instruction for preparing America's high performance workers in public career and technical programs. It provides quality education experiences for students in leadership, teamwork, citizenship and character development. It builds and reinforces self-confidence, work attitudes and communications skills. It emphasizes total quality at work—high ethical standards, superior work skills, life-long education, and pride in the dignity of work. SkillsUSA also promotes understanding of the free-enterprise system and involvement in community service.



The Technology Student Association (TSA) is a national organization devoted exclusively to the needs of students interested in science, technology, engineering, and mathematics (STEM). Open to young people enrolled in—or

who have completed—technology education courses, TSA partners with universities and other organizations to promote a variety of STEM competitions and opportunities for students and teachers. TSA is supported by educators, parents, and business leaders who believe in the need for a technologically literate society. Members learn through exciting competitive events, leadership opportunities, and much more. The diversity of activities makes TSA a positive experience for every student. From engineers to business managers, our alumni credit TSA with a positive influence on their lives.



Architecture & Construction

Career Pathway: CAD Architectural Design

Required Courses: 1.5 credits	
CAD Architectural Design 1 (CE-BDC1400)	.50
CAD Architectural Design 2 (CE-BDC1350)	.50
CAD Architectural Design 3 (CE-CMT2360)	.50
OR choose the following course	
PLTW Civil Engineering and Architecture (CE-BDC1350 + CMT2360)	1.0

Elective Courses: 1.0 credit	
Physics and Technology	1.0
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Surveying and Mapping Tech

Certificate:

N/A

Associate's or Tech Degree:

Architectural Drafter, Civil Drafter

Bachelor's Degree:

Architect, Architectural and Engineering Manager, CTE Teacher, Civil Engineer, Landscape Architect, Secondary Ed Teacher, Surveyor

Graduate Degree:

Architect

Career Pathway: Interior Design

Required Courses: 1.0 credits	
Interior Design 1 (CE-IDT1010)	.50
Interior Design 2	.50

Elective Courses: 2.0 credit	
CAD Architectural Design 1	.50
CAD Architectural Design 2 (CE-BC1350)	.50
Design and Visual Communication	.50
Designer Sewing 1	.50
Designer Sewing 2	.50
Entrepreneurship (CE-ENTR1002)	.50
Furniture Design and Manufacturing	.50
CTE Internship	.50
Workplace skills	.50

Possible Occupations

High School Diploma:

Interior Design Assistant, Merchandise Displayer, Window Trimmer, Sales Associate

Certificate:

N/A

Associate's or Tech Degree:

Photo Stylist

Bachelor's Degree:

Architect, CTE Teacher, Interior Designer, Sales manager, Set Designer

Graduate Degree:

Interior Design Professor, Textile Stylist



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Arts, Audio / Visual Technology & Communications

Career Pathway: Fashion Apparel and Textiles

Required Courses: 1.5 credits	
Fashion Design Studio	.50
Designer Sewing 1	.50
Designer Sewing 2	.50
Sports Sewing	.50

Elective Courses: 1.5 credits	
Accounting 1	.50
Entrepreneurship (CE-ENTR1002)	.50
Fashion Design Merchandise (CE-PS1503)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Merchandise Displayer, Buyer

Certificate:

N/A

Associate's or Tech Degree:

Fashion Design and Merchandising

Bachelor's Degree:

CTE Teacher, Fashion Designer, Fashion Illustrator, Textile Scientist

Graduate Degree:

Interior Design Professor, Textile Science Researcher

Career Pathway: Audio Visual Production Professional

Required Courses: 1.0 credit	
Video Production1	.50
Video Production 2	.50

Elective Courses: 2.0 credits	
Advances Commercial Photography	.50
*Computer Programming (CE-CS1400)	.50
Digital Media	.50
CTE Internship	.50
Workplace Skills	.50

*math elective

Possible Occupations

High School Diploma:

Advertising Salesperson

Certificate:

Video Editor

Associate's or Tech Degree:

Audio Video Equip Tech, Broadcast Tech, Sound Engineering

Bachelor's Degree:

Announcer, Camera Operator, CTE Teacher,

Film and Video Editor, Producer

Graduate Degree:

Television Broadcaster

Career Pathway: Commercial Art

Required Courses: 2.0 credits	
Commercial and Advertising Art	.50
Design and Visual Communications	.50
Industrial Design	1.0

Elective Courses: 1.0 credit	
3-D Animation	.50
3-D Graphics	.50
Accounting 1	.50
Basic Digital Photography	.50
Business Management (CE-BSAD1010)	.50
Digital Media 1	.50
Digital Print Design	.50
Entrepreneurship (CE-ENTR1002)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Fine Artist, Painter, Sculptor, Illustrator, Photographer

Certificate:

N/A

Associate's or Tech Degree:

N/A

Bachelor's Degree:

Art Director, CTE Teacher,
Commercial, Fashion, or Graphic Designer

Graduate Degree:

Medical Illustrator, Professor

Career Pathway: Commercial Photography

Required Courses: 1.0 credit	
Basic Digital Photography	.50
Advanced Digital Photography	.50

Elective Courses: 2.0 credits	
Commercial and Advertising Art	.50
Digital Media 1	.50
Television Broadcasting 1	.50
Video Productions 1	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Photographer

Certificate:

Commercial Photographer

Associate's or Tech Degree:

N/A

Bachelor's Degree:

Camera Operator, CTE Teacher

Graduate Degree:

Photography Professor

Career Pathway: Broadcasting Professional

Required Courses: 1.0 credit	
TV Broadcasting 1	.50
TV Broadcasting II	.50

Elective Courses: 2.0 credits	
Accounting 1	.50
Business Management (CE-BSAD1010)	.50
*Computer Programming 1 (CE-CS1400)	.50
Digital Media	.50
CTE Internship	.50
Workplace Skills	.50

*math elective

Possible Occupations

High School Diploma:

Radio Announcer

Certificate:

Sound Engineering Tech

Associate's or Tech Degree:

Broadcast Technician Installer, Broadcaster

Bachelor's Degree:

Audio-Visual Specialist, CTE Teacher

Graduate Degree:

Radio Broadcaster

Career Pathway: Digital Media

Required Courses: 2.0 credits	
Digital Media 1	.50
3-D Animation	.50
3-D Graphics	.50
Digital Media 2	1.0

Elective Courses: 1.0 credit	
Digital Marketing	.50
Entrepreneurship (CE-ENTR1002)	.50
Game Development Fundamentals (CE-CS1010)	.50
Digital Graphic Arts Introduction	.50
Web Development 1 (CE-WEB1400)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

N/A

Certificate:

N/A

Associate's or Tech Degree:

Web Developer

Bachelor's Degree:

CTE Teacher, Graphic Designer, Multimedia Artist and Animator,
Software Developer, Web Administrator

Graduate Degree:

Software Engineer



DECA prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management in high schools and colleges around the globe.

DECA's guiding principles explain how the mission is fulfilled by addressing what we do and this done and the outcomes expected. DECA enhances the preparation for college and careers by providing co-curricular programs that integrate into classroom instruction, applying learning in the context of business, connecting to business and the community and promoting competition. Our student members leverage their DECA experience to become academically prepared, community oriented, professionally responsible, experienced leaders.



FBLA inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.



Business, Finance & Marketing

Career Pathway: Accounting and Financial Operations

Required Courses: 1.0 credit	
Accounting 1	.50
Accounting 2	.50

Elective Courses: 2.0 credits	
Business Communications 1	.50
Business Law	.50
Business Management (CE-BSAD1010)	.50
Retailing (CE- PS2383)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Accounting and Auditing Clerk, Bookkeeper, Tax Preparer

Certificate:

N/A

Associate's or Tech Degree:

N/A

Bachelor's Degree:

Accountant, Auditor, CTE Teacher, Financial Manager,
Loan Officer, Tax Examiner

Graduate Degree:

Certified Public Accountant

Career Pathway: Entrepreneurship

Required Courses: 1.5 credits	
Business Law	.50
Business Management (CE-BSAD1010)	.50
Entrepreneurship (CE- ENTR1002)	.50

Elective Courses: 1.5 credits	
Accounting 1	.50
Business Communication 1	.50
Customer Service	.50
Digital Business Applications	.50
Leadership Principles 1	.50
Marketing 1 (CE-PS1303)	.50
Web Development 1 (CE-WEB1400)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Sales Representative

Certificate:

N/A

Associate's or Tech Degree:

Web Development

Bachelor's Degree:

CTE Teacher, General Manager, Marketing Manager,
Operations Manager, Sales Manager

Graduate Degree:

Business Administrator

Career Pathway: Office / Administrative Support

Required Courses: 1.0 credit	
Business Communications 1	.50
Business Office Specialist	.50
Digital Business Applications	.50
Digital Marketing	.50

Elective Courses: 2.00 credits	
Accounting 1	.50
Business Management (CE- BSAD1010)	.50
*Computer Science Principles (CE-CS1030)	.50
Digital Media 1	.50
Digital Graphics Arts 1	.50
Web Development (CE- WEB1400)	.50
CTE Internship	.50
Workplace Skills	.50

*core science credit

Possible Occupations

High School Diploma:

Administrative Assistant, Customer Service Rep.,
Executive Administration Assistant or Secretary

Certificate:

N/A

Associate's or Tech Degree:

N/A

Bachelor's Degree:

Desktop Publisher, Legal Assistant

Graduate Degree:

Business Administrator

Career Pathway: Marketing and Sales

Required Courses: 1.0 credit	
Digital Marketing	.50
Marketing 1 (CE-CS1303)	.50
Marketing 2	.50

Elective Courses: 2.0 credits	
Business Management (CE-BSAD1010)	.50
Customer Service	.50
Fashion Design and Merchandising (CE-PS1503)	.50
Leadership Principles 1	.50
Retailing (CE-PS2383)	.50
Sports and Entertainment Marketing	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:
Advertising Sales Agent

Certificate:
N/A

Associate's or Tech Degree:
N/A

Bachelor's Degree:
Art Director, CTE Teacher, Editor, Graphic Designer,
Marketing Manager, Market Research, Marketing Specialist,
Public Relations Specialist, Sales Manager

Graduate Degree:
Marketing Director, Statistician, Survey Researcher



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Education & Training

Career Pathway: Pre K: Childhood Education

Required Courses: 1.5 credits	
Child Development	.50
Early Childhood Education 1	.50
Early Childhood Education 2	.50

Elective Courses: 1.5 credits	
Accounting	.50
Adult Roles and Financial Literacy (CE-CHF2400)	1.0
Adult Roles and Responsibilities	.50
Early Childhood Education Internship	.50
Entrepreneurship (CE-ENTR1002)	.50
Foods and Nutrition 1	.50
Foundations of Nutrition (CE-NUTR1020)	.50
Human Development (CE-CHF1500)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Childcare/Aide Worker

Certificate:

Teacher's Assistant

Associate's or Tech Degree:

Education Administrator, Preschool Teacher Assistant

Bachelor's Degree:

CTE Teacher, Elementary Education Teacher,

Special Education Teacher, Social Worker

Graduate Degree:

Counseling Psychologist, Guidance Counselor, Speech Therapist

Career Pathway: K-12, Education as a Profession

Required Courses: 1.5 credits	
Teaching as a Profession 1	.50
Teaching as a Profession 2	.50
Teaching as a Profession 3 (CE-EDUC1010)	.50

Elective Courses: 1.5 credits	
Business Communications 1	.50
Business Office Specialist	.50
English 1010 (CE-ENG1010)	1.0
Human Development (CE-CHF1500)	.50
Mathematics 1050 (CE-MTH1050)	1.0
Psychology (CE-PSY1010)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Self-Enrichment Education Teacher

Certificate:

Teacher Assistant/Para Professional

Associate's or Tech Degree:

Preschool Teacher

Bachelor's Degree:

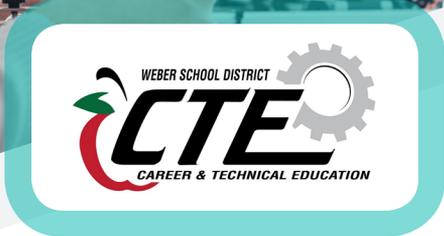
Elementary, Kindergarten, Middle School, Secondary, or Special Education Teacher, CTE Teacher

Graduate Degree:

Education Administrator, School Counselor



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Engineering & Technology

Career Pathway: Aerospace Engineering

Required Courses: 3.0 credits	
PLTW Aerospace Engineering	1.0
*PLTW Principles of Engineering (CE-ENGR1000)	1.0
PLTW Engineering Design and Development	1.0

*science elective

Elective Courses: No Additional Credits Required	
Physics with Technology	1.0
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

N/A

Certificate:

N/A

Associate's or Tech Degree:

Engineering, Inspection or Testing Technician

Bachelor's Degree:

Aerospace Engineer, Architectural and Engineering Manager,
CTE Teacher

Graduate Degree:

Aerospace Engineer

Career Pathway: Electrical Engineering

Required Courses: 3.0 credits	
PLTW Digital Electronics (CE-EET1110 and EET1130)	1.0
*PLTW Principles of Engineering CE (ENGR1000)	1.0
PLTW Engineering Design and Development	1.0

*science elective

Elective Courses: No Additional Credits Required	
Physics with Technology	1.0
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Electronics Equipment Assembler

Certificate:

Electronics Installer Repairer

Associate's or Tech Degree:

Electronics Drafter, Electronics Engineering Technician

Bachelor's Degree:

CTE Teacher, Electrical Engineer, Electronics Engineer

Graduate Degree:

Electronics Engineer

Career Pathway: Mechanical Engineering

Required Courses: 3.0 credits	
PLTW Introduction to Engineering Design (CE-DET1010)	1.0
*Foundation Component PLTW Principles of Engineering (CE-ENGR1000)	1.0
Capstone Component PLTW Engineering Design and Development	1.0

*science elective

Elective Courses: Not Required	
Physics with Technology	1.0
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

N/A

Certificate:

N/A

Associate's or Tech Degree:

Civil Engineer Technician, Engineering Technician, Industrial Engineering Technician, Mechanical Engineering Technician

Bachelor's Degree:

Aerospace Engineer, Biomedical Engineer, CTE Teacher, Civil Engineer, Electrical Engineer, Industrial Engineer, Mechanical Engineer

Graduate Degree:

Civil Engineer

Career Pathway: CAD Mechanical Design

Required Courses: 3.0 credits	
CAD Mechanical Design 1	.50
CAD Mechanical Design 2 (CE-DET1010)	.50
PLTW IED (CE-DET1010)	1.0
CAD Mechanical Design 3	.50
PLTW Engineering Design and Development	1.0

Elective Courses: Not Required	
Physics with Technology	1.0
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

N/A

Certificate:

N/A

Associate's or Tech Degree:

Engineering Technician, Mechanical Drafter,
Mechanical Engineering Technician

Bachelor's Degree:

Aerospace Engineer, CTE Teacher, Civil Engineer,
Industrial Designer, Mechanical Engineer

Graduate Degree:

Mechanical Engineer

Career Pathway: Manufacturing Engineering

Required Course: 1.0 Credit	
PLTW Robotics and Automation (RA)	1.0

Elective Courses 2.0 credits	
Machining 1	.50
Manufacturing Technology	.50
Physics with Technology	1.0
Welding 1	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Production Technician

Certificate:

Production Technician

Associate's or Tech Degree:

N/A

Bachelor's Degree:

CTE Teacher, Manufacturing Engineer

Graduate Degree:

Manufacturing Degree



HOSA-Future Health Professionals is a national student organization recognized by the U.S. Department of Education and the Health Science Education Division of ACTE. HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people. HOSA's goal is to encourage all health occupations instructors and students to join and be actively involved in the HSE-HOSA Partnership. HOSA provides a unique program of leadership development, motivation, and recognition exclusively for secondary, postsecondary, adult, and collegiate students enrolled in HSE programs. HOSA is 100% health care!



Health Science

Career Pathway: Clinical Laboratory, Science Biotechnology

Required Courses: 1.0 credit	
Biotechnology	1.0

Elective Credit: 2.0 credits	
Health Science, Introduction	.50
Health Science, Advanced (capstone) (CE-HTHS1110/1111)	1.0
Medical Anatomy and Physiology	1.0
Medical Terminology (CE-HTHS1101)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

N/A

Certificate:

Clinical Laboratory Technician, Medical Lab Technician

Associate's or Tech Degree:

Clinical Laboratory Technologist, Medical Laboratory Technologist

Bachelor's Degree:

Biological Scientist, Biotechnology Technician, CTE Teacher,
Chemist, Microbiologist, Sale Representative

Graduate Degree:

Biochemist, Biophysicist, Medical Scientist

Career Pathway: Clinical Laboratory Science, Medical Forensics

Required Courses: 1.0 credit	
Medical Forensics	1.0

Elective Credit: 2.0 credits	
Health Science, Introduction	.50
Health Science, Advanced (capstone) (CE-HTHS1110/1111)	1.0
Medical Anatomy and Physiology	1.0
Medical Terminology (CE-HTHS1101)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

N/A

Certificate:

Clinical Laboratory Technician, Medical Laboratory Technician

Associate's or Tech Degree:

Clinical Laboratory Technologist, Medical Laboratory Technologist

Bachelor's Degree:

Biological Scientist, CTE Teacher, Chemist,

Forensic Science Technician

Graduate Degree:

Medical Scientist

Career Pathway: Clinical Laboratory Science, Emergency Medical Services

Required Courses: 2.0 Credits	
Emergency Medical Technician (CE-PAR1000/1001)	2.0

Elective Courses: 1.0 Credit	
Emergency Medical Responder (CE-AT2300)	.50
Health Science, Introduction	.50
Health Science Advanced (capstone) (CE-HTHS1110/1111)	1.0
Medical Anatomy and Physiology	1.0
Medical Terminology (CE-HTHS1101)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

N/A

Certificate:

Emergency Medical Technician, Paramedic

Associate's or Tech Degree:

N/A

Bachelor's Degree:

CTE Teacher

Graduate Degree:

N/A

Career Pathway: Clinical Laboratory Science, Nursing Services

Required Courses: .50 Credit	
Certified Nursing Assistant (CNA)	.50

Elective Credits: 2.5 Credits	
Emergency Medical Responder (CE-AT2300)	.50
Food and Nutrition 1	.50
Food and Nutrition 2	.50
Foundations of Nutrition (CE-NUTR1020)	.50
Health Science, Introduction	.50
Health Science, Advanced (capstone) (CE-HTHS1110/1111)	1.0
Human Development (CE-CHF1500)	.50
Medical Anatomy and Physiology	1.0
Medical Terminology (CE-HTHS1101)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Certified Nursing Assistant

Certificate:

Certified Nursing Assistant, Licensed Practical Nurse,
Medical Assistant

Associate's or Tech Degree:

Advances Practice Nurse, Registered Nurse

Bachelor's Degree:

CTE Teacher

Graduate Degree:

Nurse Anesthetist, Nurse Midwife, Nurse Practitioner

Career Pathway: Therapeutic Clinical Services Exercise/Sports Medicine

Required Courses: 1.0 Credit	
Exercise Science/Sports Medicine (CE-AT2175)	1.0

Elective Credit: 2.0	
Emergency Medical Responder (CE-AT2300)	.50
Health Science, Introduction	.50
Health Science, Advanced (Capstone) (CE-HTHS1110/1111)	1.0
Medical Anatomy and Physiology	1.0
Medical Terminology (CE-HTHS1101)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Occupational Therapy Aide, Physical Therapist Aide

Certificate:

Massage Therapist

Associate's or Tech Degree:

Occupational Therapy Assistant, Physical Therapist Assistant

Bachelor's Degree:

Athletic Trainer, CTE Teacher

Graduate Degree:

Chiropractor, Occupational Therapist, Physical Therapist



DECA prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management in high schools and colleges around the globe.

DECA's guiding principles explain how the mission is fulfilled by addressing what we do and this done and the outcomes expected. DECA enhances the preparation for college and careers by providing co-curricular programs that integrate into classroom instruction, applying learning in the context of business, connecting to business and the community and promoting competition. Our student members leverage their DECA experience to become academically prepared, community oriented, professionally responsible, experienced leaders.



Everyone is part of a family, and FCCLA is the only national Career and Technical Student Organization with the family as its central focus.

FCCLA's mission is to promote personal growth and leadership development through Family and Consumer Sciences education. Focusing on the multiple roles of family member, wage earner and community leader, members develop skills for life through: character development, creative and critical thinking, interpersonal communication, practical knowledge, and career preparation.



Hospitality & Tourism

Career Pathway: Culinary Arts

Required Courses: 2.0 Credit	
Choose one of the following:	
Culinary Arts	1.0
ProStart 1	1.0
Choose one of the Following:	
Culinary Management	1.0
ProStart 2	1.0

Elective Credits: 1.0 Credit	
Food and Nutrition 1	.50
Food and Nutrition 2	.50
Foundations of Nutrition (CE-NUTR1020)	.50
Hospitality and Tourism	.50
Entrepreneurship (CE-ENTR1002)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Chef or Head Cook, First-Line Supervisor

Certificate:

N/A

Associate's or Tech Degree:

Bakery/ Pastry Chef, Sous Chef, Restaurant Manager

Bachelor's Degree:

CTE Teacher, Culinary Arts Instructor, Executive Chef

Graduate Degree:

Food Service Manager

Career Pathway: Hospitality and Tourism

Required Courses: 1.0 credit	
Hospitality and Tourism	.50
Marketing 1 (CE-PS1303)	.50

Elective Courses: 2.0 Credits	
Accounting 1	.50
Business Communication 1	.50
Business Management (CE-BSAD1010)	.50
Culinary Management	1.0
Customer Service	.50
Entrepreneurship (CE-ENTR1002)	.50
Event Planning and Management	.50
Lodging and Recreation	.50
Prostart 2	1.0
Retailing (CE-PS2383)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Chef or Head Cook, Concierge, First-Line Supervisor of Housekeeping and Janitorial, Lodging Manager, Tour Guide, Hotel, Motel, or Resort Desk Clerk

Certificate / Associate's or Tech Degree:

N/A

Bachelor's Degree:

CTE Teacher, Marketing Manager, Sales Manager, Meeting, Convention, or Event Planner

Graduate Degree:

Marketing Director



FBLA inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel. SkillsUSA's mission is to empower its members to become world-class workers, leaders and responsible American citizens.

SkillsUSA is an applied method of instruction for preparing America's high performance workers in public career and technical programs. It provides quality education experiences for students in leadership, teamwork, citizenship and character development. It builds and reinforces self-confidence, work attitudes and communications skills. It emphasizes total quality at work—high ethical standards, superior work skills, life-long education, and pride in the dignity of work. SkillsUSA also promotes understanding of the free-enterprise system and involvement in community service.



The Technology Student Association (TSA) is a national organization devoted exclusively to the needs of students interested in science, technology, engineering, and mathematics (STEM). Open to young people enrolled in—or

who have completed—technology education courses, TSA partners with universities and other organizations to promote a variety of STEM competitions and opportunities for students and teachers. TSA is supported by educators, parents, and business leaders who believe in the need for a technologically literate society. Members learn through exciting competitive events, leadership opportunities, and much more. The diversity of activities makes TSA a positive experience for every student. From engineers to business managers, our alumni credit TSA with a positive influence on their lives.



Information Technology

Career Pathway: Programming & Software Development

Required Courses: 2.0 Credits	
*Computer Science Principles (CE-CS1030)	.50
**Computer Programming 1 (CE-CS1400)	.50
Choose 1.0 credits from the Following:	
Gaming Development Fundamentals 1 (CE-CS1010)	.50
*Computer Programming 2 (CE-CS1410)	.50

*core science credit

**math elective

Elective Courses: 1.0 Credit	
Exploring Computer Science 1	.50
Entrepreneurship (CE-ENTR1002)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

N/A

Certificate:

WSU Programming Essentials Certificate

Associate's or Tech Degree:

Web Developer

Bachelor's Degree:

CTE Teacher, Computer Programmer, Computer Systems Analyst, Computer Systems Engineer/Architect, Software Developer, Video Game Designer

Graduate Degree:

Software Engineer

Career Pathway: Web Development

Required Courses: 1.5 Credits	
Web Development (CE-WEB1400)	.50
HTML 5 App Development Fundamentals (CE-CS2350)	1.0

Elective Courses: 1.5 Credits	
AP Computer Science Principles	1.0
Entrepreneurship (CE-ENTR1002)	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

N/A

Certificate:

N/A

Associate's or Tech Degree:

Web Developer

Bachelor's Degree:

CTE Teacher, Computer and Info Systems Manager,
Computer Programmer, Database Administrator,
Graphic Designer, Multimedia Artist and Animator,
Software Developer

Graduate Degree:

Web Developer



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Law, Public Safety, Corrections & Security

Career Pathway: Public Safety and Law Enforcement Protective Services

Required Courses: 1.0 Credit	
Emergency Medical Response (CE-AT2300)	.50
Law Enforcement	.50

Elective Courses: 2.0 Credits	
Introduction to Corrections	.50
Homeland Security	.50
Introduction to Criminal Justice (CE-CJ1010)	1.0
Medical Forensics	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Fire Inspector and Investigator, Forest Fire Inspector and Prevention Specialist

Certificate:

Firefighter, First-Line Supervisor of Fire Fighting, Prevention Worker

Associate's or Tech Degree:

N/A

Bachelor's Degree:

CTE Teacher, Criminal Justice and Law Enforcement, Postsecondary Teacher

Graduate Degree:

N/A



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Manufacturing

Career Pathway: Welding

Required Courses: 2.0 Credits	
Welding Technician A and B	1.0
Welding Technician Intermediate (CE-MFET2670)	1.0

Elective Courses: 1.0 Credit	
CAD Mechanical Design 1	.50
CAD Mechanical Design 2 (CE-DET1010)	.50
PLTW IED (CE-DET1010)	1.0
Machining 1	.50
Machining 2	.50
Welding Technician Advanced (CE-CFET2670)	1.0
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Welder, Cutter, Solderer, and Brazier,
Welder and Solderer Machine Operator

Certificate:

Welder

Associate's or Tech Degree:

N/A

Bachelor's Degree:

CTE Teacher

Graduate Degree:

N/A

Career Pathway: Advanced Manufacturing, Cabinetmaking/Millwork

Required Credits: 1.5 Credits	
Cabinet Making	1.0
Furniture Design and Manufacturing	.50

Elective Credits: 1.5 Credits	
CAD Architectural Design 1 (CE-BDC1400)	.50
CAD Mechanical Design 1	.50
Industrial Design	.50
Machining 1	.50
Machining 2	.50
PLTW Civil Engineering and Architecture (CE-BDC1350 and CMT2360)	1.0
PLTW Design and Development	1.0
Woodworking	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Cabinetmaker, Carpenter, Supervisor of Construction Workers

Certificate:

Cabinetmaking and Furniture Construction

Associate's or Tech Degree:

Cabinetry and Architectural Woodworking

Bachelor's Degree:

CTE Teacher

Graduate Degree:

N/A

Career Pathway: Advanced Manufacturing, Machine Tool

Required Courses: 1.0 Credit	
Machining 1	.50
Machining 2	.50

Elective Courses: 2.0 Credits	
CAD Mechanical Design 1	.50
CAD Mechanical Design 2 (CE-DET1010)	.50
PLTW IED (CE-DET1010)	1.0
PLTW Engineering Design and Development	1.0
Welding 1	.50
CTE Internship	.50
Workplace Skills	.50

Possible Occupations

High School Diploma:

Industrial Machinery Mechanic, Machinist, Tool and Die Maker

Certificate:

N/A

Associate's or Tech Degree:

N/A

Bachelor's Degree:

CTE Teacher

Graduate Degree:

N/A



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Transportation, Distribution & Logistics

Career Pathway: Automotive Service Technician

Required Courses: 1.5 credits	
Introduction to Automotive (CE-AUSV1000)	.50
Choose from the following:	
ASE Brakes and Suspension (CE-AUSV1021)	.50
ASE Electrical/Electronics (CE-AUSV1320)	.50
ASE Steering and Suspension (CE-AUSV1022)	.50

Elective Courses: 1.5 credits	
Accounting	.50
Business Management (CE-BSAD1010)	.50
Entrepreneurship (CE-ENTR1002)	.50
Machining 1	.50
PLTW Digital Electronics (CE-EET1110 and EET1130)	1.0
Small Engine Repair	.50
Welding A and B	1.0
CTE Internship	1.0
Workplace Skills	.50

Possible Occupations

High School Diploma:

Automotive Body Repair, Automotive Glass Installation & Repair, Automotive Service Mechanic, Automotive Service Technician

Certificate:

Automotive Service Technician-ASE (Auto Service Excellence)
National Certification

Associate's or Tech Degree:

N/A

Bachelor's Degree:

CTE Teacher

Graduate Degree:

N/A

