















Do You Know Where You Are Going? Find Your Future with CTE

| If you are interested in this career area: | Take these Alief courses in high school: | In Grade | HS Credits | |
|---|--|--|---|--|
|  Endorsement: Business & Industry | Food Scientist, Tree Surgeon, Sports Field Manager, Veterinarian, Forester, Farmer, Horse Trainer | Principles of Agriculture, Food & Natural Resources Small Animal Management Equine Science Livestock Production Veterinary Medical Applications & Ag Lab Practicum in Ag.: Veterinary Tech Wildlife, Fishing, & Ecology Mgt. Landscape Design & Mgt. Turf Grass Mgt. Range Ecology & Mgt. Floral Design Horticulture Advanced Animal Science Advance Plant & Soil Science Practicum in Agriculture, Food, & Nat. Resources | 9 10 10 11-12 11-12 12 10-11 10-11 10-11 11-12 11-12 11-12 12 12 12 12 | 1 .5 .5 1 2 2 1 .5 .5 1 1 1 1 1 1 2-3 |
|  Endorsement: Business & Industry | Civil Engineer, Surveyor, Carpenter, General Contractor, Urban Planner, Electrician, Plumber, Construction Worker | Principles of Construction Construction Technology I Construction Technology II Mill and Cabinetmaking Technology Practicum in Construction Technology Electrical Tech I Electrical Tech II HVAC Tech I HVAC Tech II Plumbing Tech I Plumbing Tech II Principles of Architecture Architectural Design I Architectural Design II Practicum in Architectural Design | 9 10-11 11-12 11-12 12 11-12 12 11-12 12 11-12 12 12 11-12 12 9 10-11 11-12 12 | 1 1 2 2 2-3 1 2 1 2 1 2 2 1 1 2 2-3 |
|  Endorsement: Business & Industry | Animator, Lighting Tech, Electrical Engineer, Graphic Artist, Broadcaster | Principles of Arts, A/V Tech & Communications Audio Video Production I Audio Video Production II & AV Lab II Practicum in A/V Production Graphic Design & Illustration I Graphic Design & Illustration II & GDI Lab II Practicum in Graphic Design Commercial Photography I Commercial Photography II & CP Lab II Fashion Design Fashion Design II & FD Lab II Practicum in Fashion Design | 9 10-11 11-12 12 10-11 11-12 12 10-11 11-12 10-11 11-12 12 | 1 1 2 2-3 1 2 2-3 1 2 1 2 2-3 |
|  Endorsement: Business & Industry | Business Manager, Administrative Assistant, Receptionist, Treasurer, CEO | Principles of Business Marketing & Finance Business Information Management I Human Resource Management Business Law Virtual Business Global Business Business Management Business Information Management II Practicum in Business, Management & Administration | 9 10-11 10-11 10-11 10-11 10-11 11-12 11-12 11-12 | 1 1 1 1 .5 1 1 1 1 2-3 |
|  Endorsement: Public Service | Teacher, Professor, Coach, Counselor, Social Worker, Librarian, School Principal | Principles of Human Services & Education Human Growth and Development Instructional Practices in Education/Training Practicum in Education & Training | 9 10 11 12 | 1 1 2 2 |
|  Endorsement: Business & Industry | Tax Preparer, Accountant, Teller, Debt Counselor, Insurance Appraiser, Stockbroker, CFO | Principles of Business Marketing & Finance Banking & Financial Services Accounting I Accounting II Financial Analysis Practicum in Business Management | 9 10-11 10-11 11-12 11-12 12 | 1 .5 1 1 1 2-3 |

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|--|---|---|--|---|
|  <p>Health Science</p> <p>Endorsement: Public Service</p> | Athletic Trainer, Dentist, CNA, Nurse, Lab Technician, Medical Librarian, Nutritionist, Pediatrician, Doctor, Pharmacist | Medical Terminology Principles of Health Science Health Science Theory & Pharmacology Practicum in Health Science: Pharmacy Tech Health Science Theory World Health Research & Practicum in Health Science: CNA Health Science Theory & Health Science Clinical Practicum in Health Science | 9 10 11-12 12 11-12 12 11-12 12 | 1 10 2 2 1 2 2 2-3 |
| |  <p>Hospitality & Tourism</p> <p>Endorsement: Business & Industry</p> | Chef, Restaurant Owner, Reservationist, Tour Guide, Interpreter, Event Planner, Hunting Guide, Stunt Person, Cruise Director | Principles of Hospitality & Tourism Hotel Mgt. Travel & Tourism Mgt. Hospitality Services (Hotel Internship) Practicum in Hospitality Services Culinary Arts Advanced Culinary Arts Baking & Pastry Practicum in Culinary Arts | 9 10-11 10-11 11-12 12 10-11 11-12 12 |
|  <p>Human Services</p> <p>Endorsement: Public Service</p> | Nanny, Psychologist, Social Worker, Emergency Relief Worker, Stylist, Guidance Counselor | Principles of Human Services & Education Child Development Child Guidance Family & Community Services Counseling & Mental Health Practicum in Human Services | 9 10-11 11-12 10-11 11-12 12 | 1 1 2 1 1 2-3 |
| |  <p>Information Technology</p> <p>Endorsement: Business & Industry</p> | Network Technician, Programmer, Technical Writer, GIS Specialist, Game Designer | Principles of Information Technology Computer Maintenance & CM Lab Networking & Networking Lab Computer Technician Practicum Digital Media Web Technologies Web Game Development Computer Programming Computer Programming II Practicum in Information Technology | 9 10-11 11-12 12 10-11 11-12 10-11 11-12 12 |
|  <p>Manufacturing</p> <p>Endorsement: Business & Industry</p> | Design Engineer, Biomedical Equipment Technician, Dispatcher, Welder | Principles of Manufacturing Introduction to Welding Welding I Welding II with Optional Welding II Lab Manufacturing Engineering Tech I & II Blocked Practicum in Manufacturing | 9 10 10-11 11-12 11-12 12 | 1 1 2 2-3 2 2-3 |
| |  <p>Marketing</p> <p>Endorsement: Business & Industry</p> | Sales Representative, Buyer, Market Researcher, Web Master, Copywriter, Sports Agent | Principles of Business, Marketing, & Finance Advertising Sports & Entertainment Marketing Social Media Marketing Fashion Marketing Entrepreneurship Practicum in Marketing | 9 10-11 10-11 11 10-11 11-12 12 |
|  <p>Science, Technology, Engineering & Mathematics</p> <p>Endorsement: STEM</p> | Crime Scene Investigator, Chemist, Engineer, Scientist, Mathematician, Computer Engineer | Principles of Applied Engineering Engineering Design & Presentation I Engineering Design & Presentation II AC/DC Electronics Solid State Electronics Digital Electronics Robotics I Robotics II & PBR Robotics Introduction to Engineering Design PLTW Principles of Engineering Design PLTW Computer Integrated Manufacturing PLTW Aerospace Engineering PLTW Civil Engineering PLTW Engineering Design & Development PLTW Practicum in STEM | 9 10 11-12 10-11 11-12 10-11 10-11 11-12 9 10-11 11-12 11-12 11-12 12 12 | 1 1 2 1 2 1 1 2 1 1 1 1 1 1 2-3 |
| |  <p>Transportation, Distribution & Logistics</p> <p>Endorsement: Business & Industry</p> | Driver, Pilot, Airfield Specialist, Warehouse Manager, Service Technician, Mechanic, Train Engineer | Introduction to Transportation Careers Energy, Power, & Transportation & Automotive Basics Automotive Technology I: Maintenance & Light Repair Automotive Technology II: Automotive Services with Optional Advanced Transportation Systems Lab Practicum in Transportation Services | 9 10 10-11 11-12 12 |