

# CTE Pathways

## Advertising and Graphic Design Certificate C30100BH

Total Required Semester Hours: 14

- \_\_\_ GRD 151 Computer Design Basics (3 Hours)  
*Students without Adobe Software experience, specifically Photoshop, Illustrator, and InDesign, are highly encouraged to take GRD 151 before or with another class within this certificate.*
- \_\_\_ GRD 141 Graphic Design I (4 Hours)
- \_\_\_ GRD 110 Typography I (3 Hours)
- \_\_\_ GRD 142 Graphic Design II (4 Hours) – Course Prerequisite

## Automotive Systems – Brakes and Suspension Certificate C60160CH

Total Required Semester Hours: 13

- \_\_\_ TRN 110 Introduction to Transport Technology (2 Hours)
- \_\_\_ AUT 141 Suspension and Steering (3 Hours) and AUT 141A Suspension and Steering Lab (1 Hour) – Course Corequisite
- \_\_\_ AUT 151 Brake Systems (3 Hours) and AUT 151A Brake Systems Lab (1 Hour) – Course Corequisite
- \_\_\_ AUT 116 Engine Repair (3 Hours) – Course Corequisite

## Automotive Systems – Electrical Certificate C60160DH

Total Required Semester Hours: 12

- \_\_\_ TRN 120 Basic Transportation (5 Hours)
- \_\_\_ TRN 145 Advanced Transportation Electronics (3 Hours) – Course Prerequisite
- \_\_\_ AUT 163 Advanced Auto Electricity (3 Hours) and AUT 163A Advanced Auto Electricity Lab (1 Hour) – Course Prerequisite

## Automotive Systems – Engine Performance Certificate C60160EH

Total Required Semester Hours: 13

- \_\_\_ AUT 115 Engine Repair (3 Hours) and TRN 110 Introduction to Transport Technology (2 Hours) – Course Corequisite
- \_\_\_ AUT 181 Engine Performance I (3 Hours) and AUT 181A Engine Performance Lab (1 Hour) – Course Corequisite
- \_\_\_ AUT 183 Engine Performance II (4 Hours) – Course Prerequisite

### Broadcasting and Production Technology Certificate C30120AH

Total Required Semester Hours: 13

- \_\_\_ BPT 110 Intro to Broadcasting (3 Hours)
- \_\_\_ BPT 111 Broadcast Law & Ethics (3 Hours)
- \_\_\_ BPT 112 Broadcast Writing (4 Hours)
- \_\_\_ BPT 113 Broadcast Sales (3 Hours)

### Business Administration Certificate C25120CP

Total Required Semester Hours: 12

- \_\_\_ BUS 110 Introduction to Business (3 Hours) – Placement Test
- \_\_\_ BUS 137 Principles of Management (3 Hours) – Course Prerequisite
- \_\_\_ BUS 151 People Skills (3 Hours) – Placement Test
- \_\_\_ BUS 240 Business Ethics (3 Hours) – Course Prerequisite

### Case Management Certificate C45380

NEW!!! (Must have unweighted GPA of 2.8 to enter...)

Total Required Semester Hours: 15

- \_\_\_ HSE 110 Introduction to Human Services
- \_\_\_ HSE 123 Interviewing Techniques
- \_\_\_ PSY 150 General Psychology
- \_\_\_ HSE 125 Counseling
- \_\_\_ HSE 220 Case Management

### Computer Engineering Technology - PC Build and Repair Certificate C40160CH

Total Required Semester Hours: 13

- \_\_\_ ELC 131 Circuit Analysis I (4 Hours) and ELC 131A Circuit Analysis I Lab (1 Hour) – Course Prerequisite
- \_\_\_ EGR 125 Application Software for Tech (2 Hours)
- \_\_\_ CET 111 Computer Upgrade and Repair I (3 Hours) – Course Prerequisite
- \_\_\_ CET 211 Computer Upgrade and Repair II (3 Hours) – Course Prerequisite

### Computer Integrated Machining – Machine Operator Certificate C50210AH

Total Required Semester Hours: 12

- \_\_\_ BPR 111 Print Reading (2 Hours)
- \_\_\_ MAC 141 Machining Applications I (4 Hours) and MAC 141A Machining Applications I Lab (2 Hours)
- \_\_\_ MAC 121 Introduction to CNC (2 Hours)
- \_\_\_ MAC 151 Machining Calculations (2 Hours)
- \_\_\_ MAC 171 Measure/Material & Safety (1 Hour)

**Computer Programming Certificate C40160BH**

Total Required Semester Hours: 15

- \_\_\_ EGR 125 Appl Software for Tech (2 Hours)
- \_\_\_ CSC 151 JAVA (3 Hours)
- \_\_\_ CSC 251 Adv Java Prog. (3 Hours)
- \_\_\_ CSC 143 Object-Oriented Prog. (3 Hours)
- \_\_\_ CET 251 Software Eng. Principles (4 Hours)

**Cosmetology Certificate C55140BH**

Total Required Semester Hours: 34

- \_\_\_ COS 111 Cosmetology Concepts I (4 Hours)
- \_\_\_ COS 112 Salon I (8 Hours)
- \_\_\_ COS 113 Cosmetology Concepts II (4 Hours)
- \_\_\_ COS 114 Salon II (8 Hours)
- \_\_\_ COS 115 Cosmetology Concepts III (4 Hours)
- \_\_\_ COS 116 Salon III (4 Hours)
- \_\_\_ COS 240 Contemporary Design (2 Hours)

**Criminal Justice Certificate C55180BH**

Total Required Semester Hours: 12

- \_\_\_ CJC 111 Introduction to Criminal Justice (3 Hours)
- \_\_\_ CJC 121 Law Enforcement Operations (3 Hours)
- \_\_\_ CJC 112 Criminology (3 Hours)
- \_\_\_ CJC 231 Constitutional Law (3 Hours)

**Cybersecurity Certificate C25590CA**

Total Required Semester Hours: 15

- \_\_\_ CTI 110 Web, Pgm, and Db Foundation (3 Hours)
- \_\_\_ SEC 110 Security Concepts (3 Hours)
- \_\_\_ SEC 150 Secure Communications (3 Hours)
- \_\_\_ SEC 210 Intrusion Detection (3 Hours)
- \_\_\_ SEC 180 Info Assurance Principles (3 Hours)

**Early Childhood Certificate C55220KH**

Total Required Semester Hours: 13

- \_\_\_ EDU 119 Introduction to Early Childhood Education (4 Hours)
- \_\_\_ EDU 131 Child, Family, and Community (3 Hours) – Placement Test
- \_\_\_ EDU 146 Child Guidance (3 Hours) – Placement Test
- \_\_\_ EDU 153 Health, Safety, and Nutrition (3 Hours) – Placement Test

**Electronics Engineering Technology – Basic Electronics Certificate C40200AH**

Total Required Semester Hours: 15

- \_\_\_\_\_ ELC 131 Circuit Analysis I (4 Hours) and ELC 131 A Circuit Analysis I Lab (1 Hour) – Course Prerequisite
- \_\_\_\_\_ EGR 125 Appl. Software for Technology (2 Hours)
- \_\_\_\_\_ ELN 131 Analog Electronics (4 Hours) – Course Prerequisite
- \_\_\_\_\_ ELN 133 Digital Electronics (4 Hours)

**Electrical Systems Technology – Electrical Wiring Certificate C35130AH**

Total Required Semester Hours: 15

- \_\_\_\_\_ ELC 113 Residential Wiring (4 Hours)
- \_\_\_\_\_ ELC 131 Circuit Analysis I (4 Hours) and ELC 131 A Circuit Analysis I Lab (1 Hour) – Course Prerequisite
- \_\_\_\_\_ ELC 115 Industrial Wiring (4 Hours) – Course Prerequisite
- \_\_\_\_\_ EGR 125 Appl. Software for Technology (2 Hours)

**Emergency Management Certificate C55460AH**

Total Required Semester Hours: 12

- \_\_\_\_\_ EPT 140 Emergency Management (3 Hours)
- \_\_\_\_\_ EPT 120 Sociology of Disaster (3 Hours)
- \_\_\_\_\_ EPT 130 Mitigation and Preparedness (3 Hours)
- \_\_\_\_\_ EPT 210 Response and Recovery (3 Hours)

**Emergency Management Fire Certificate C55460BH**

Total Required Semester Hours: 12

- \_\_\_\_\_ EPT 140 Emergency Management (3 Hours)
- \_\_\_\_\_ EPT 120 Sociology of Disaster (3 Hours)
- \_\_\_\_\_ FIP 120 Introduction to Fire Protection (3 Hours)
- \_\_\_\_\_ FIP 124 Fire Protection and Public Education (3 Hours)

**Hospitality – Lodging Management Certificate C25110AH**

Total Required Semester Hours: 15

- \_\_\_\_\_ HRM 110 Introduction to Hospitality Management (3 Hours)
- \_\_\_\_\_ HRM 120 Front Office Procedures (3 Hours)
- \_\_\_\_\_ HRM 140 Legal Issues Hospitality (3 Hours)
- \_\_\_\_\_ HRM 240 Marketing for Hospitality (3 Hours)
- \_\_\_\_\_ HRM 245 Human Resources Management Hospitality (3 Hours)

### Industrial Systems Technology – Machining Maintenance Certificate C50240CH

#### Total Required Semester Hours: 12

- \_\_\_\_\_ ELC 131 Circuit Analysis I (4 Hours) and ELC 131A Circuit Analysis I Lab (1 Hour) – Course Prerequisite
- \_\_\_\_\_ EGR 125 Application Software for Tech (2 Hours)
- \_\_\_\_\_ MAC 141 Machining Applications I (4 Hours) and MAC 141A Machining Applications I Lab (2 Hours)
- \_\_\_\_\_ MAC 171 Measure/Material & Safety (1 Hour)

### Medical Office Administration Certificate C25310CH

#### Total Required Semester Hours: 12

- \_\_\_\_\_ OST 141 Medical Terms I – Med Office (3 Hours)
- \_\_\_\_\_ OST 149 Medical Legal Issues (3 Hours)
- \_\_\_\_\_ OST 142 Medical Terms II – Med Office (3 Hours) – Course Prerequisite
- \_\_\_\_\_ OST 148 Medical Coding Billing and Insurance (3 Hours)

### Network Administration Certificate C25590BH

#### Total Required Semester Hours: 12

- \_\_\_\_\_ NET 125 Introduction to Networks (3 Hours)
- \_\_\_\_\_ NET 126 Routing Basics (3 Hours) – Course Prerequisite
- \_\_\_\_\_ NET 225 Routing and Switching I (3 Hours)
- \_\_\_\_\_ NET 226 Routing and Switching II (3 Hours) – Course Prerequisite

### Welding Certificate C50420FH

#### Total Required Semester Hours: 13

- \_\_\_\_\_ WLD 115 AB and BB – SMAW (5 Hours)
- \_\_\_\_\_ WLD 121 GMAW (4 Hours)
- \_\_\_\_\_ WLD 131 GTAW (4 Hours)