

**Apprenticeship Course Listings****Agricultural Equipment Technician (AEA) - 19 courses**

AEA3900: Apprenticeship Safety	AEA3430: Electrical Diagnostics	AEA3465: Gears & Axles
AEA3400: Tools & Materials	AEA3435: Hydraulic Fundamentals	AEA3470: AEA Practicum A
AEA3405: Welding Equipment	AEA3440: Hydraulic Systems	AEA3475: AEA Practicum B
AEA3410: Electric Welding	AEA3445: Farm Equipment 1	AEA3480: AEA Practicum C
AEA3415: Electrical Fundamentals	AEA3450: Farm Equipment 2	AEA3485: AEA Practicum D
AEA3420: Current & Resistance	AEA3455: Farm Equipment 3	
AEA3425: Batteries & Diagnostics	AEA3460: Power Transmission	

**Auto Body Technician (ABA) - 14 courses**

ABA3900: Apprenticeship Safety	ABA3410: Substrates	ABA3435: ABA Practicum A
ABA3401: Workplace Skills	ABA3415: Fillers	ABA3440: ABA Practicum B
ABA3402: Tools, Batteries & Detailing	ABA3420: Surface Preparation	ABA3445: ABA Practicum C
ABA3405: Removal & Installation 1	ABA3425: Masking	ABA3450: ABA Practicum D
ABA3406: Removal & Installation 2	ABA3430: Undercoating	

**Automotive Service Technician (ASA) - 19 courses**

ASA3900: Apprenticeship Safety	ASA3420: Steering Systems	ASA3452: Maintenance & Trailers
ASA3400: Basic Tools & Materials	ASA3425: Suspension Systems	ASA3455: ASA Practicum A
ASA3402: Vehicle Service Information	ASA3430: Alignment Procedures	ASA3460: ASA Practicum B
ASA3405: Electrical Principles	ASA3435: Brake Fundamentals	ASA3465: ASA Practicum C
ASA3410: Electrical Circuits	ASA3440: Disc & Drum Brakes	ASA3470: ASA Practicum D
ASA3412: Electrical Service	ASA3445: Brake System Repairs	
ASA3415: Frames & Undercarriage	ASA3450: Wheels & Drive Lines	

**Baker (BKA) - 18 courses**

BKA3900: Apprenticeship Safety	BKA3430: Cakes	BKA3465: BKA Practicum A
BKA3400: Tools & Equipment	BKA3435: Cookies	BKA3470: BKA Practicum B
BKA3405: Raised Goods Theory 1	BKA3440: Quick Breads	BKA3475: BKA Practicum C
BKA3410: Raised Goods Practical 1	BKA3445: Pastries	BKA3480: BKA Practicum D
BKA3415: Raised Goods Theory 2	BKA3450: Custards & Fillings	
BKA3420: Raised Goods Practical 2	BKA3455: Icings & Piping	
BKA3425: Baking & Frying	BKA3460: Baking Math	

**Cabinetmaker (CMA) - 19 courses (new 2015)**

CMA3900: Apprenticeship Safety	CMA3430: Electric & Air Tools	CMA3465: Trade Mathematics
CMA3400: Properties of Wood	CMA3435: Power Saws	CMA3470: CMA Practicum A
CMA3405: Processing Lumber	CMA3440: Tooling Equipment	CMA3475: CMA Practicum B
CMA3410: Adhesives & Fasteners	CMA3445: Band Saws & Planers	CMA3480: CMA Practicum C
CMA3415: Abrasives & Joinery	CMA3450: Drafting Basics	CMA3485: CMA Practicum D
CMA3420: Hand Tools 1	CMA3455: Drawings & Cut Lists	
CMA3425: Hand Tools 2	CMA3460: CAD & Print Reading	

**Carpenter (CRA) - 19 courses (revised 2015)**

CRA3900: Apprenticeship Safety	CRA3432: Building Foundations	CRA3467: Estimating
CRA3402: Building Materials	CRA3437: Foundations Theory	CRA3470: CRA Practicum A
CRA3407: Hand Tools Theory	CRA3442: Foundations Practical	CRA3475: CRA Practicum B
CRA3412: Hand Tools Practical	CRA3447: Floor Frames	CRA3480: CRA Practicum C
CRA3417: Portable Power Tools	CRA3452: Sketching & Drawing	CRA3485: CRA Practicum D
CRA3422: Stationary Tools	CRA3457: Drawing Principles	
CRA3427: Accessory Tools	CRA3462: Math Concepts	

**Apprenticeship Course Listings****Communication Technician (CTA) - 15 courses**

CTA3900: Apprenticeship Safety	CTA3420: Outside Cabling	CTA3445: Network Devices & IP
CTA3400: Electricity Fundamentals	CTA3425: Inside Cabling	CTA3450: CTA Practicum A
CTA3405: AC/DC	CTA3430: Telephone Basics	CTA3455: CTA Practicum B
CTA3410: Basic Electricity	CTA3435: Switching & Equipment	CTA3460: CTA Practicum C
CTA3415: Mathematics	CTA3440: Network Fundamentals	CTA3465: CTA Practicum D

**Cook (CKA) - 19 courses**

CKA3900: Apprenticeship Safety	CKA3431: Stocks & Soups	CKA3466: Pies & Fillings
CKA3401: Kitchen Orientation	CKA3436: Thickeners & Sauces	CKA3560: CKA Practicum A
CKA3406: Kitchen Mathematics	CKA3441: Fruits & Vegetables	CKA3565: CKA Practicum B
CKA3411: Meats & Seafood 1	CKA3446: Starches & Salads	CKA3570: CKA Practicum C
CKA3416: Meats & Seafood 2	CKA3451: Breakfast & Dairy	CKA3575: CKA Practicum D
CKA3421: Cooking Proteins 1	CKA3456: Introduction to Baking	
CKA3426: Cooking Proteins 2	CKA3461: Breads & Cookies	

**Electrician (ETA) - 19 courses**

ETA3900: Apprenticeship Safety	ETA3430: Meters & Connections	ETA3465: Diagrams & Drawings
ETA3400: Electrical Principles	ETA3435: Switching Circuits	ETA3470: ETA Practicum A
ETA3405: Electrical Concepts	ETA3440: Relays & Controls	ETA3475: ETA Practicum B
ETA3410: Resistive Circuits	ETA3445: Switches & Alarms	ETA3480: ETA Practicum C
ETA3415: Edison 3-Wire System	ETA3450: Introduction to Code	ETA3485: ETA Practicum D
ETA3420: Power & Efficiency	ETA3455: Conductors & Grounding	
ETA3425: Batteries & Magnetism	ETA3460: Wiring & Installation	

**Hairstylist First Period (HSA) - 3 COS, 1 EST, 20 HSA courses**

COS1010: Personal & Professional Practices*	HSA3440: Hair Styling 2	HSA3485: Haircutting 7 – Current Trends Client Services
COS1020: Long Hair Design 1	HSA3445: Hair Styling 3 – Client Services	HSA3495: Haircutting 8 – Male Client Services
COS2010: Long Hair Design 2	HSA3450: Haircutting 1	HSA3505: Hair Care & Cutting 1 – Client Services
EST3040: Hair Removal	HSA3455: Haircutting 2 – Client Services	HSA3515: Hair Care & Cutting 2 – Client Services
HSA3400: Hair & Scalp Care 1	HSA3460: Haircutting 3 – Advanced Techniques	HSA3520: Chemical Texturizing 1
HSA3410: Hair & Scalp Care 2	HSA3465: Haircutting 4 – Advanced Techniques Client Services	HSA3570: Hair Colouring 1
HSA3420: Hair & Scalp Care 3	HSA3470: Haircutting 5 – Creative Services	HSA3580: Hair Colouring 2 – Oxidative
HSA3425: Hair & Scalp Care 4 – Client Services	HSA3475: Haircutting 6 – Creative Client Services	
HSA3430: Hair Styling 1		
Journey person certification is not required to instruct courses marked with an asterisk (*).		

**Hairstylist Second Period (HSA) - 6 COS, 3 EST, 17 HSA courses**

COS2000: Salon Design*	HSA3530: Chemical Texturizing 2 – Cold Waving	HSA3600: Hair Colouring 6 – Colour Correction
COS2210: Client Services & Sales 1	HSA3540: Chemical Texturizing 3 – Heat Assisted	HSA3605: Hair Colouring 7 – Advanced Client Services 1
COS3000: The Science of Cosmetology*	HSA3550: Chemical Texturizing 4 – Designer	HSA3615: Hair Colouring 8 – Advanced Client Services 2
COS3010: Professional Relationships*	HSA3555: Chemical Texturizing 5 – Client Services	HSA3620: Hair Goods & Extensions
COS3020: Long Hair Design 3	HSA3560: Hair Texturizing	HSA3625: Hair Goods & Extensions – Client Services
COS3280: Client Services & Sales 2	HSA3565: Hair Texturizing – Client Services	HSA3630: Historical Cosmetology
EST1020: Skin Care Practices*	HSA3585: Hair Colouring 3 – Client Services	HSA3640: Creative Cosmetology
EST2050: Make-up*	HSA3590: Hair Colouring 4 – Decolourization	HSA3650: Competition Cosmetology
EST2055: Make-up – Client Services*	HSA3595: Hair Colouring 5 – Decolourization Client Services	
Journey person certification is not required to instruct courses marked with an asterisk (*).		

**Apprenticeship Course Listings****Heavy Equipment Technician (HEA) - 19 courses**

HEA3900: Apprenticeship Safety	HEA3430: Brake Service & Repair	HEA3465: Air Brake Service
HEA3400: Basic Tools & Materials	HEA3435: Hydraulic Systems	HEA3470: HEA Practicum A
HEA3405: Bearings & Seals	HEA3440: Electrical Theory	HEA3475: HEA Practicum B
HEA3410: Frames & Suspension	HEA3445: Electrical Service	HEA3480: HEA Practicum C
HEA3415: Wheels & Preventive Maintenance	HEA3450: Electronics	HEA3485: HEA Practicum D
HEA3420: Trailer Systems	HEA3455: Air Brake Fundamentals	
HEA3425: Brake Fundamentals	HEA3460: Air Brake Mechanics	

**Industrial Mechanic (Millwright) (MWA) - 17 courses**

MWA3900: Apprenticeship Safety	MWA3425: Drilling & Milling	MWA3455: Print Reading
MWA3400: Rigging	MWA3430: Lathe Introduction	MWA3460: MWA Practicum A
MWA3405: Measurement	MWA3435: Lathe Operation	MWA3465: MWA Practicum B
MWA3410: Layout	MWA3440: Machine Installation	MWA3470: MWA Practicum C
MWA3415: Portable Tools	MWA3445: Numbers	MWA3475: MWA Practicum D
MWA3420: Fasteners	MWA3450: Mathematics	

**Instrumentation and Control Technician (ISA) - 19 courses**

ISA3900: Apprenticeship Safety	ISA3430: Inductance & Capacitance	ISA3465: Applied Physics
ISA3400: Tools & Equipment	ISA3435: Hazards & Regulations	ISA3470: ISA Practicum A
ISA3405: Tube Practice	ISA3440: Pressure Measurement	ISA3475: ISA Practicum B
ISA3410: Pipe Practice	ISA3445: Calibration	ISA3480: ISA Practicum C
ISA3415: Electrical Theory	ISA3450: Control Elements	ISA3485: ISA Practicum D
ISA3420: Resistive Circuits	ISA3455: Control Valves	
ISA3425: Power & Efficiency	ISA3460: Applied Math	

**Insulator (INA) - 16 courses**

INA3900: Apprenticeship Safety	INA3425: Fibres & Foam	INA3455: INA Practicum A
INA3400: Introduction & Safety	INA3430: Polystyrenes & Wraps	INA3460: INA Practicum B
INA3405: Asbestos Awareness	INA3435: Wool & Fibreglass	INA3465: INA Practicum C
INA3410: Bonding	INA3440: Cellular Glass	INA3470: INA Practicum D
INA3415: Pipe Insulation	INA3445: Mathematics	
INA3420: Tools & Materials	INA3450: Blueprints	

**Landscape Horticulturist (LGA) - 19 courses**

LGA3900: Apprenticeship Safety	LGA3435: Botany 1	LGA3470: Woody Plants
LGA3405: Landscape Equipment	LGA3440: Botany 2	LGA3475: LGA Practicum A
LGA3410: Soils 1	LGA3445: Greenhouse Environment	LGA3480: LGA Practicum B
LGA3415: Soils 2	LGA3450: Greenhouse Production	LGA3485: LGA Practicum C
LGA3420: Plant Identification	LGA3455: Greenhouse System	LGA3490: LGA Practicum D
LGA3425: Plant Taxonomy	LGA3460: Site Preparation	
LGA3430: Plants & Landscape	LGA3465: Turf	

**Apprenticeship Course Listings****Painter & Decorator (PDA) - 18 courses**

PDA3900: Apprenticeship Safety	PDA3425: Colour	PDA3455: Trade Math
PDA3400: Material Selection	PDA3430: Painting Theory	PDA3460: Trade Geometry
PDA3405: Surface Prep Theory 1	PDA3435: Painting Application 1	PDA3465: PDA Practicum A
PDA3410: Surface Prep Theory 2	PDA3440: Painting Application 2	PDA3470: PDA Practicum B
PDA3415: Surface Prep 1	PDA3445: Spraying Theory	PDA3475: PDA Practicum C
PDA3420: Surface Prep2	PDA3450: Spraying Procedures	PDA3480: PDA Practicum D

**Parts Technician (PTA) - 15 courses**

PTA3900: Apprenticeship Safety	PTA3420: Measurement & Stock	PTA3445: Customer Service
PTA3400: Material Handling	PTA3425: Electrical Basics	PTA3450: PTA Practicum A
PTA3405: Storage & Packing	PTA3430: Suspension & Wheels	PTA3455: PTA Practicum B
PTA3410: Shipping & Returns	PTA3435: Steering & Brakes	PTA3460: PTA Practicum C
PTA3415: Merchandising	PTA3440: Communication	PTA3465: PTA Practicum D

**Plumber (PLA) - 20 courses**

PLA3900: Apprenticeship Safety	PLA3435: Drainage & Venting	PLA3470: Plumbing Science
PLA3405: Tools & Equipment	PLA3440: Fixtures & Trim	PLA3475: Print Reading
PLA3410: Nonferrous Materials	PLA3445: Heating	PLA3480: PLA Practicum A
PLA3415: Ferrous Materials	PLA3450: Heating Installation	PLA3485: PLA Practicum B
PLA3420: Welded & Flanged Materials	PLA3455: Gas Fundamentals	PLA3490: PLA Practicum C
PLA3425: Historic Materials	PLA3460: Gas Theory	PLA3495: PLA Practicum D
PLA3430: Residential Plumbing	PLA3465: Plumbing Mathematics	

**Welder (WDA) - 19 courses**

WDA3900: Apprenticeship Safety	WDA3413: Gases & Maintenance	WDA3437: Welding Math 2
WDA3401: Tools & Equipment	WDA3415: GMAW on Mild Steel	WDA3445: WDA Practicum A
WDA3403: Oxyfuel & Plasma Arc	WDA3420: FCAW & MCAW on Mild Steel	WDA3450: WDA Practicum B
WDA3406: Electricity & Metals	WDA3423: Mild Steel Welds	WDA3455: WDA Practicum C
WDA3407: Symbols & Drawings	WDA3427: Mild Steel Pipe Welds	WDA3460: WDA Practicum D
WDA3408: Weld Faults	WDA3429: Aluminum & SAW	
WDA3411: Wire-Feed Welding	WDA3432: Welding Math 1	