

## Section 5: Career and Technical Education (CTE)

### Career Path, Program and Course Listings

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Please note the following for courses marked with an “^”: For reporting this course for funding, use cost reporting code 102 for middle school and code 103 for high school; this course should not be reported with cost reporting code 300.

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			

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AGRICULTURE, FOOD & NATURAL RESOURCES CAREER PATH

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 FOOD PRODUCTS & PROCESSING SYSTEMS CAREER PATH (AGPA)  
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8129200	FOOD SCI APPL Food Science Applications	9- 12, 30, 31 /				AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3		/Y	EQ	1.0	
8129210	FOOD SCI APPL 2 Food Science Applications 2/Level 2		/Y	PA	1.0	
8129220	FOOD SCI APPL 3 Food Science Applications 3/Level 2		/Y	VO	1.0	

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 PLANT SYSTEMS CAREER PATH (AGPB)  
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A120200	ADV FLORAL DSN & MGM Advanced Floral Design and Management	30, 31 /				AGRICULTUR 1 @2 RETAILING @7 7 G	MKTG 1
ORH0044	ADV FLORAL DESIGN Advanced Floral Design		/Y	VO	2.0		
ORH0614	ADV FLORAL SALES Advanced Floral Sales		/Y	VO	1.0		
ORH0624	ADV FLORAL SHOP MGR Advanced Floral Shop Manager		/Y	VO	1.0		
8012100	FLORAL DSN & MKT Floral Design and Marketing	9- 12, 30, 31 /				AGRICULTUR 1 @2 MKTG 1	RETAILING @7 7 G
8012110	INTRO FLORAL DESIGN Introductory Floral Design/Level 2		/Y	PA	1.0		
8012120	FLORAL DESIGN 2 Floral Design 2/Level 2		/Y	PA	1.0		
8012130	FLORAL DSN & MKT Floral Design and Marketing Service s 3/Level 2		/Y	PA	1.0		
8012140	FLORAL DSN & MGMT Floral Design and Management 4/ Level 2		/Y	PA	1.0		
A120100	FLORAL DSN & MKT Floral Design and Marketing	30, 31 /				AGRICULTUR 1 @2 MKTG 1	RETAILING @7 7 G
ORH0042	INTRO TO FLORAL DSN Introduction to Floral Design		/Y	PA	1.0		
ORH0043	FLORAL DESIGN Floral Design		/Y	PA	1.0		
ORH0612	FLORAL RETAIL S & S Floral Retail Sales and Services		/Y	PA	1.0		
ORH0622	FLORAL DESIGN & MGMT Floral Design and Management		/Y	PA	1.0		
8121600	HORT SCI & SERS Horticulture Science & Services	9- 12, 30, 31 /				AGRICULTUR 1 @2	HORTICULT #7

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8121510	INTROD HORT 2 Introductory Horticulture 2/Level 3	/Y	PA		1.0	
8121520	HORT SCIENCE 3 Horticultural Science 3/Level 3	/Y	PA		1.0	
8121610	HORT SCI & SERS 4 Horticulture Science and Services 4 /Level 2	/Y	VO		1.0	
8121620	HORT SCI & SERS 5 Horticulture Science and Services 5 /Level 2	/Y	VO		1.0	
8121630	HORT SCI & SERS 6 Horticulture Science and Services 6 /Level 2	/Y	VO		1.0	
▫A200100	LANDSCAPE & TURF MGM Landscape & Turf Management	30, 31	/			AGRICULTUR 1 @2
ORH0862	NURSERY WORKERS Nursery Workers	/Y	VO		2.0	
ORH0802	LANDSCAPE & GROUNDS Landscape & Grounds keeping	/Y	VO		3.0	
ORH0803	LAND & GROUNDS SUPER Landscape & Grounds keeping Supervisors	/Y	VO		1.0	
<sup>a</sup> A010615	<sup>a</sup> LAND MGMT Landscape Management	30, 31	/			AGRI @2 HORTICULT @7 AGRICULTUR 1 @2
<sup>a</sup> ORH0885	<sup>a</sup> LANDSCAPE SPEC Landscape Specialist	/Y	VO		2.0	
<sup>a</sup> ORH0886	<sup>a</sup> FIRST LINE SUPR/MGR1 First Line Supervisors/Managers of Lands, Lawn Service & Grounds 1	/Y	VO		3.0	
<sup>a</sup> ORH0887	<sup>a</sup> LANDSCAPE CONTRACTOR Landscape Contractor	/Y	VO		1.0	
<sup>a</sup> 8121300	<sup>a</sup> LAND OPS Landscape Operations	9- 12, 30, 31	/			AGRICULTUR 1 @2 HORTICULT #7
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8121510	INTROD HORT 2 Introductory Horticulture 2/Level 3	/Y	PA		1.0	
8121520	HORT SCIENCE 3 Horticultural Science 3/Level 3	/Y	PA		1.0	
8121310	LAND & TURF SCI 4 Landscape and Turf Science 4/Level 2	/Y	VO		1.0	
8121320	LAND & TURF SCI 5 Landscape and Turf Science 5/Level 2	/Y	VO		1.0	
8121330	LAND OPS 6 Landscape Operations 6/Level 2	/Y	VO		1.0	
▫8002100	LANDSCAPE OPS (NEW) Landscape Operations (NEW)	9- 12, 30, 31	/			AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8121510	INTROD HORT 2 Introductory Horticulture 2/Level 3	/Y	PA		1.0	
8121520	HORT SCIENCE 3 Horticultural Science 3/Level 3	/Y	PA		1.0	
8121310	LAND & TURF SCI 4 Landscape and Turf Science 4/Level 2	/Y	VO		1.0	
8121320	LAND & TURF SCI 5 Landscape and Turf Science 5/Level 2	/Y	VO		1.0	
8121410	SPRTS & REC TURF OPS6 Sports and Recreational Turf Operations 6/Level 2	/Y	VO		1.0	
A010616	NURSERY MGMT Nursery Management	30, 31	/			AGRI @2 HORTI CULT @7
ORH0862	NURSERY WORKERS Nursery Workers	/Y	VO		2.0	
ORH0863	NURSERY & GRNHS MGR1 Nursery and Greenhouse Managers 1	/Y	VO		3.0	
ORH0864	NURSERY & GRNHS MGR2 Nursery and Greenhouse Managers 2	/Y	VO		1.0	
<sup>a</sup> A020607	<sup>a</sup> SPRTS & REC TURF MGMT Sports and Recreational Turf Management	30, 31	/			AGRI @2 HORTI CULT @7
<sup>a</sup> ORH0885	<sup>a</sup> LANDSCAPE SPEC Landscape Specialist	/Y	VO		2.0	
<sup>a</sup> ORH0886	<sup>a</sup> FIRST LINE SUPR/MGR1 First Line Supervisors/Managers of Lands, Lawn Service & Grounds 1	/Y	VO		3.0	
<sup>a</sup> ORH0897	<sup>a</sup> FIRST LINE SUPR/MGR2 First Line Supervisors/Managers of Lands, Lawn Service & Grounds 2	/Y	VO		1.0	
<sup>a</sup> 8121400	<sup>a</sup> SPRTS & REC TURF OPS Sports and Recreational Turf Operations	9- 12, 30, 31	/			AGRI CULTUR 1 @2 HORTI CULT #7
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8121510	INTROD HORT 2 Introductory Horticulture 2/Level 3	/Y	PA		1.0	
8121520	HORT SCIENCE 3 Horticultural Science 3/Level 3	/Y	PA		1.0	
8121310	LAND & TURF SCI 4 Landscape and Turf Science 4/Level 2	/Y	VO		1.0	
8121320	LAND & TURF SCI 5 Landscape and Turf Science 5/Level 2	/Y	VO		1.0	
8121410	SPRTS & REC TURF OPS6 Sports and Recreational Turf Operations 6/Level 2	/Y	VO		1.0	
ANIMAL SYSTEMS CAREER PATH (AGPC)						
8106200	ANIM SCI & SERV Animal Science and Services	9- 12, 30, 31	/			AGRI CULTUR 1 @2 AGRI PROD #7

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8106210	ANIM SCI & SERS 2 Animal Science and Services 2/Level 2	/Y	VO		1.0	
8106220	ANIM SCI & SERS 3 Animal Science and Services 3/Level 2	/Y	VO		1.0	
8106230	ANIM SCI & SERS 4 Animal Science and Services 4/Level 2	/Y	VO		1.0	
8106240	ANIM SCI & SERS 5 Animal Science and Services 5/Level 2	/Y	VO		1.0	
8106250	ANIM SCI & SERS 6 Animal Science and Services 6/Level 2	/Y	VO		1.0	
<sup>a</sup> 8112000	<sup>a</sup> AQUACULTURE Aquaculture	9- 12, 30, 31 /				AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8112010	AQUACULTURE 2 Aquaculture 2/Level 3	/Y	EQ		1.0	
8112020	AQUACULTURE 3 Aquaculture 3/Level 3	/Y	EQ		1.0	
<sup>o</sup> 8004100	<sup>o</sup> AQUACULTURE (NEW) Aquaculture	9- 12, 30, 31 /				AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8112010	AQUACULTURE 2 Aquaculture 2/Level 3	/Y	EQ		1.0	
8112020	AQUACULTURE 3 Aquaculture 3/Level 3	/Y	EQ		1.0	
8112030	AQUACULTURE 4 Aquaculture 4/Level 3	/Y	PA		1.0	
8115110	VET ASSIST Veterinary Assisting	9- 12, 30, 31 /				AGRICULTUR 1 @2
8111510	VET ASSIST 1 Veterinary Assisting 1/Level 3	/Y	VO		1.0	
8111540	VET ASSIST 2 Veterinary Assisting 2/Level 3	/Y	VO		1.0	
8111550	VET ASSIST 3 Veterinary Assisting 3/Level 3	/Y	VO		1.0	
8111520	VET ASSIST 4 Veterinary Assisting 4/Level 3	/Y	VO		1.0	
8111530	VET ASSIST 5 Veterinary Assisting 5/Level 3	/Y	VO		1.0	
A010512	VET ASSIST Veterinary Assisting	30, 31 /				AGRI @2 AG SUPPLI @7 G      AGRICULTUR 1 @2
ATE0006	VET ASST & LAB ANI 1 Veterinary Assistants and Laboratory Animal Caretakers 1	/Y	VO		3.0	
ATE0070	VET ASST & LAB ANI 2 Veterinary Assistants and Laboratory Animal Caretakers 2	/Y	VO		1.0	
ATE0072	VET ASST Veterinary Assistant	/Y	VO		1.0	

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			GRADUATION REQUIREMENTS			
----- POWER, STRUCTURAL & TECHNICAL SYSTEMS CAREER PATH (AGPD) -----						
<sup>a</sup> 8103400	<sup>a</sup> AG MACHI MECH Agricultural Machinery Mechanics	9- 12, 30, 31 /			AGRI MECH #7	AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriculture Foundations 1/Level 3	/Y	EQ	1.0		
<sup>a</sup> 8103120	AG MECH 2 Agricultural Mechanics 2/Level 2	/Y	VO	1.0		
<sup>a</sup> 8103130	AG MECH 3 Agricultural Mechanics 3/Level 2	/Y	VO	1.0		
<sup>a</sup> 8103410	AG MACH MECH 4 Agricultural Machinery Mechanics 4/ Level 2	/Y	VO	1.0		
<sup>a</sup> 8103420	AG MACH MECH 5 Agricultural Machinery Mechanics 5/ Level 2	/Y	VO	1.0		
<sup>a</sup> 8103430	AG MACH MECH 6 Agricultural Machinery Mechanics 6/ Level 2	/Y	VO	1.0		
<sup>a</sup> 8103200	<sup>a</sup> AG MACHI OPS Agricultural Machinery Operations	9- 12, 30, 31 /			AGRI MECH #7	AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriculture Foundations 1/Level 3	/Y	EQ	1.0		
<sup>a</sup> 8103120	AG MECH 2 Agricultural Mechanics 2/Level 2	/Y	VO	1.0		
<sup>a</sup> 8103130	AG MECH 3 Agricultural Mechanics 3/Level 2	/Y	VO	1.0		
<sup>a</sup> 8103210	AG MACH OPS 4 Agricultural Machinery Operations 4 /Level 2	/Y	VO	1.0		
<sup>a</sup> 8103300	<sup>a</sup> DIV AG MECH Diversified Agricultural Mechanics	9- 12, 30, 31 /			AGRI MECH #7	AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriculture Foundations 1/Level 3	/Y	EQ	1.0		
<sup>a</sup> 8103120	AG MECH 2 Agricultural Mechanics 2/Level 2	/Y	VO	1.0		
<sup>a</sup> 8103130	AG MECH 3 Agricultural Mechanics 3/Level 2	/Y	VO	1.0		
<sup>a</sup> 8103310	DIV AG MECH 4 Diversified Agricultural Mechanics 4/Level 2	/Y	VO	1.0		
8005100	TECHNICAL AG OPS Technical Agriculture Operations	9- 12, 30, 31 /			AGRI MECH #7	AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriculture Foundations 1/Level 3	/Y	EQ	1.0		
8005110	TECHNICAL AG OPS 2 Technical Agriculture Operations 2/ Level 2	/Y	VO	1.0		
8005120	TECHNICAL AG OPS 3 Technical Agriculture Operations 3/ Level 2	/Y	VO	1.0		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

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			REQUIREMENTS	GRADUATION		
8005130	TECHNICAL AG OPS 4 Technical Agriculture Operations 4/ Level 2	/Y	VO		1.0	
8005140	TECHNICAL AG OPS 5 Technical Agriculture Operations 5/ Level 2	/Y	VO		1.0	
A020608	TURF EQ TECH-ATD Turf Equipment Technology-ATD	30, 31	/			
SER0004	OUTDR POWER EQUIP 1 Outdoor Power Equipment and Other Small Engine Mechanics 1	/Y	VO		2.5	
SER0005	OUTDR POWER EQUIP 2 Outdoor Power Equipment and Other Small Engine Mechanics 2	/Y	VO		2.5	
SER0006	OUTDR POWER EQUIP 3 Outdoor Power Equipment and Other Small Engine Mechanics 3	/Y	VO		1.5	
----- NATURAL RESOURCES SYSTEMS CAREER PATH (AGPE) -----						
<sup>a</sup> 8113000	<sup>a</sup> ENVIR RES Environmental Resources	9- 12, 30, 31	/			AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8106850	AG BIOTECH 2 Agricultural Biotechnology 2/Level 3	/Y	VO		1.0	
<sup>a</sup> 8113010	ENVIR RES 3 Environmental Resources 3/Level 3	/Y	VO		1.0	
<sup>a</sup> 8113020	ENVIR RES 4 Environmental Resources 4/Level 3	/Y	VO		1.0	
8118300	FORESTRY Forestry	9- 12, 30, 31	/			AGRI RES #7      AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8118310	FOR & NAT RES 2 Forestry and Natural Resources 2/ Level 2	/Y	VO		1.0	
8118320	FOR & NAT RES 3 Forestry and Natural Resources 3/ Level 2	/Y	VO		1.0	
8118330	FORESTRY 4 Forestry 4/Level 2	/Y	VO		1.0	
<sup>a</sup> 8913000	<sup>a</sup> LAND RES TECH Land Resources Technology	9- 12, 30, 31	/			WSP OPER 7 G      AGRICULTUR 1 @2 BIOLOGY 1
<sup>a</sup> 8913010	INTROD ENVIR TECH Introduction to Environmental Technology/Level 2	/Y	VO		1.0	
<sup>a</sup> 8913020	ENVIR TECH 2 Environmental Technology 2/Level 2	/Y	VO		1.0	
<sup>a</sup> 8913030	LAND RES 3 Land Resources 3/Level 3	/Y	VO		1.0	

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			GRADUATION REQUIREMENTS			
<sup>a</sup> 8913040	LAND RES 4 Land Resources 4/Level 3	/Y	VO		1.0	
<sup>a</sup> 8006200	NATURAL RESOURCES Natural Resources	9- 12, 30, 31 /				AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8006220	INTRO TO NAT RES 2 Introduction to Natural Resources 2 /Level 3	/Y	PA		1.0	
8006230	NAT RESOURCE TEC 3 Natural Resource Technology 3/Level 3	/Y	PA		1.0	
8006240	NAT RESOURCE MGMT 4 Natural Resource Management 4/Level 3	/Y	PA		1.0	
8006250	ADV NAT RESOURCES5 Advanced Natural Resources 5/Level 3	/Y	PA		1.0	
A020408	PEST CON OPS-ATD Pest Control Operations-ATD	30, 31 /				
ORH0867	PESTICIDE HANDLERS 1 Pesticide Handlers, Sprayers and Applicators, Vegetation 1	/Y	VO		2.0	
ORH0868	PESTICIDE HANDLERS 2 Pesticide Handlers, Sprayers and Applicators, Vegetation 2	/Y	VO		2.0	
ENVIRONMENTAL SERVICE SYSTEMS CAREER PATH (AGPF)						
P150509	ADV WATER TRTMT TECH Advanced Water Treatment Technologies	30, 31 /				WSP OPER 7 G
EVS0355	MEMB WTR TREAT SPEC Membrane Water Treatment Specialist	/Y	VO		2.0	
EVS0357	HIGH PUR WTR TR SPEC High Purity Water Treatment Specialist	/Y	VO		2.0	
<sup>a</sup> 8007300	ENV WATER & RECL TEC Environmental Water & Reclamation Technology	9- 12, 30, 31 /				ENV WAT TE 7 G
8007110	INTRO ENV WATER TECH Introduction to Environmental Water Technology/Level 2	/Y	VO		1.0	
8007120	INTM ENV WATER TECH Intermediate Environmental Water Technology/Level 2	/Y	VO		1.0	
8007130	ADV ENV WATER TECH Advanced Environmental Water Techno logy/Level 2	/Y	VO		1.0	
8007210	ADV ENV WAT RECLAIM Advanced Environmental Water Reclamation Technology/Level 2	/Y	VO		1.0	
<sup>a</sup> 8007200	<sup>a</sup> ENVIRON WAT RECLAIM Environmental Water Reclamation Tec Technology	9- 12, 30, 31 /				ENV WAT TE 7 G



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PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION		
			GRADUATION REQUIREMENTS					
8007110	INTRO ENV WATER TECH Introduction to Environmental Water Technology/Level 2	/Y	VO		1.0			
8007120	INTM ENV WATER TECH Intermediate Environmental Water Technology/Level 2	/Y	VO		1.0			
8007210	ADV ENV WAT RECLAIM Advanced Environmental Water Reclamation Technology/Level 2	/Y	VO		1.0			
<sup>a</sup> 8007100	<sup>a</sup> ENVIRON WATER TECH Environmental Water Technology	9- 12, 30, 31 /				ENV WAT TE	7	G
8007110	INTRO ENV WATER TECH Introduction to Environmental Water Technology/Level 2	/Y	VO		1.0			
8007120	INTM ENV WATER TECH Intermediate Environmental Water Technology/Level 2	/Y	VO		1.0			
8007130	ADV ENV WATER TECH Advanced Environmental Water Technology/Level 2	/Y	VO		1.0			
P150527	WSTWTR TRTMT TECHS Wastewater Treatment Technologies	30, 31 /				WSP OPER	7	G
EVS0333	WSTWTR TREAT PL OP, C Wastewater Treatment Plant Operator Level "C"	/Y	VO		1.0			
EVS0343	WSTWTR TREAT PL OP, B Wastewater Treatment Plant Operator Level "B"	/S	VO		0.5			
EVS0350	WSTWTR TREAT PL OP, A Wastewater Treatment Plant Operator Level "A"	/S	VO		0.5			
<sup>a</sup> 8916000	<sup>a</sup> WATER RESOURCES TECH Water Resources Technology	9- 12, 30, 31 /				WSP OPER BIOLOGY	7 1	G
<sup>a</sup> 8913010	<sup>a</sup> INTROD ENVIR TECH Introduction to Environmental Technology/Level 2	/Y	VO		1.0			AGRI CULTUR 1 @2
<sup>a</sup> 8913020	<sup>a</sup> ENVIR TECH 2 Environmental Technology 2/Level 2	/Y	VO		1.0			
<sup>a</sup> 8916010	<sup>a</sup> WATER QUALITY RES 3 Water Quality Resources 3/Level 3	/Y	VO		1.0			
<sup>a</sup> 8916020	<sup>a</sup> WATER QUALITY RES 4 Water Quality Resources 4/Level 3	/Y	VO		1.0			
P150507	WATER TRTMT TECH Water Treatment Technologies	30, 31 /				WSP OPER	7	G
EVS0133	WTR TREAT PL OP, C Water Treatment Plant Operator, Level "C"	/Y	VO		1.0			
EVS0143	WTR TREAT PL OP, B Water Treatment Plant Operator, Level "B"	/S	VO		0.5			

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			GRADUATION REQUIREMENTS			
EVS0153	WTR TREAT PL OP, A Water Treatment Plant Operator, Level "A"	/S	VO		0.5	
----- AGRIBUSINESS SYSTEMS CAREER PATH (AGPG) -----						
8117000	AG COMM Agricultural Communications	9- 12, 30, 31 /				AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8117010	AG COM 2 Agricultural Communications 2/Level 2	/Y	PA		1.0	
8117020	AG COM 3 Agricultural Communications 3/Level 2	/Y	PA		1.0	
8116000	AG SALES & SERS Agricultural Sales and Services	9- 12, 30, 31 /				AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8116010	AG SALES & SERS 2 Agricultural Sales and Services 2/ Level 2	/Y	EC		1.0	
8116020	AG SALES & SERS 3 Agricultural Sales and Services 3/ Level 2	/Y	PA		1.0	
8106800	AGRITECH Agritechnology	9- 12, 30, 31 /				AGRI PROD #7      AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8106820	AGRITECH 1 Agritechnology 1/Level 2	/Y	VO		1.0	
8106830	AGRITECH 2 Agritechnology 2/Level 2	/Y	VO		1.0	
8009100	PRIN OF AGRI & MGMT Principles of Agribusiness and Management	9- 12, 30, 31 /	VO			AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8009110	AG LEAD & MANAGEMENT Agriculture Leadership and Management /Level 3	/Y	VO		1.0	
8009120	PRIN OF AGRIBUSINESS Principles of Agribusiness/Level 3	/Y	EC		1.0	
----- AGRICULTURE BIOTECHNOLOGY (AGPH) -----						
<sup>a</sup> 8106600	<sup>a</sup> AG BIOTECHNOLOGY Agricultural Biotechnology	9- 12, 30, 31 /				AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8106850	AG BIOTECH 2 Agricultural Biotechnology 2/Level 3	/Y	VO		1.0	
8106860	AG BIOTECH 3 Agricultural Biotechnology 3/Level 3	/Y	EQ		1.0	
8003100	AGRICULTURE BIOTECH Agriculture Biotechnology	9- 12, 30, 31 /				AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8106850	AG BIOTECH 2 Agricultural Biotechnology 2/Level 3	/Y	VO		1.0	
8106860	AG BIOTECH 3 Agricultural Biotechnology 3/Level 3	/Y	EQ		1.0	
8106120	<sup>a</sup> ANIM BIOTECH 3 ®ANIMAL BIOTECHNOLOGY <sup>a</sup> Animal Biotechnology 3/Level 3 ®Animal Biotechnology/Level 3	/Y	VO		1.0	
8106510	<sup>a</sup> PLANT BIOTECH 3 ®PLANT BIOTECHNOLOGY <sup>a</sup> Plant Biotechnology 3/Level 3 ®Plant Biotechnology/Level 3	/Y	VO		1.0	
<sup>a</sup> 8106100	<sup>a</sup> ANIM BIOTECH Animal Biotechnology	9- 12, 30, 31 /				AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8106850	AG BIOTECH 2 Agricultural Biotechnology 2/Level 3	/Y	VO		1.0	
8106120	<sup>a</sup> ANIM BIOTECH 3 ®ANIMAL BIOTECHNOLOGY <sup>a</sup> Animal Biotechnology 3/Level 3 ®Animal Biotechnology/Level 3	/Y	VO		1.0	
<sup>a</sup> 8106500	<sup>a</sup> PLANT BIOTECH Plant Biotechnology	9- 12, 30, 31 /				AGRICULTUR 1 @2
8106810	AGSCIENCE FOUND 1 Agriscience Foundations 1/Level 3	/Y	EQ		1.0	
8106850	AG BIOTECH 2 Agricultural Biotechnology 2/Level 3	/Y	VO		1.0	
8106510	<sup>a</sup> PLANT BIOTECH 3 ®PLANT BIOTECHNOLOGY <sup>a</sup> Plant Biotechnology 3/Level 3 ®Plant Biotechnology/Level 3	/Y	VO		1.0	
SUPPLEMENTAL PROGRAMS						
8100330	ADV CONCS AGSCI Advanced Concepts of Agriscience/ Level 2	11- 12, 30, 31/Y	VO		1.0	AGRICULTUR 1 @2
8199990	AGRIBUS ED TRAN Agribusiness Education Transfer	9- 12, 30, 31 /			NA	
A010000	AGRIBUS ED TRANSFER Agribusiness Education Transfer	30, 31 /			NA	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8100410	AGRI, FOOD, NR - OJT Agriculture, Food and Natural Resources Cooperative Education - OJT	9- 12, 30, 31 /M	VO	MULTIPLE	AGRICULTUR	1 @2 ANY AG ED ¶ G
8100100	AGRI, FOOD, NR DS Agriculture, Food and Natural Resources Directed Study	11- 12, 30, 31/M	VO	MULTIPLE	AGRICULTUR	1 @2 ANY AG ED ¶ G
A019999	AGRI, FOOD, NR - OJT Agriculture, Food, and Natural Resources Cooperative Education - OJT	30, 31 /			AGRI ANY AG ED	@2 ¶ G AGRICULTUR 1 @2
8100210	EX OF AGRISCI Exploration of Agriscience	6- 8 /S	VO		EXP AG	@4 AGRICULTUR 1 @2
8500395	FOOD SCI & SAFETY Food Science Safety and Technology/ Level 2	9- 12, 30, 31 /Y	VO	1.0	FAM CON SC	1 AGRICULTUR 1 @2
8021400	FUND OF AG SERVICES Fundamentals of Agriculture, Food and Natural Resource Services	6- 8 /Y	VO		AGRICULTUR	1 @2 EXP AG @4
8021300	FUND OF AG SYSTEMS Fundamentals of Agriculture, Food and Natural Resource Systems	6- 8 /Y	VO		AGRICULTUR	1 @2 EXP AG @4
8100320	FUND AGSCI Fundamentals of Agriscience/Level 2	9- 12, 30, 31 /Y	VO	1.0	AGRICULTUR	1 @2
8021100	INTRO TO AG, FOOD, NR Introduction to Agriculture, Food and Natural Resources	6- 8 /S	VO	MULTIPLE	AGRICULTUR	1 @2 EXP AG @4
8021110	INTRO TO AG & CP Introduction to Agriculture, Food and Natural Resources/Career Plan	6- 8 /S	VO	MULTIPLE	AGRICULTUR	1 @2 EXP AG @4
8100120	INTROD TO AGSCI Introduction to Agriscience	6- 8 /S	VO		EXP AG	@4 AGRICULTUR 1 @2
8100310	ORIEN TO AGSCI Orientation to Agriscience	6- 8 /S	VO		EXP AG	@4 AGRICULTUR 1 @2
8100110	ORIEN TO AGSCI & C P Orientation to Agriscience and Career Planning	6- 8 /S	VO		EXP AG	@4 AGRICULTUR 1 @2

## APPRENTICESHIP PROGRAMS

A01061R	NURSERY MGMT- APPR Nursery Management - Apprenti ceshi p	30, 31 /				
A01062R	NURSERY TEC- APPR Nursery Techni ci an - Apprenti ceshi p	30, 31 /				

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
-----					
ARCHITECTURE & CONSTRUCTION CAREER CLUSTER					
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DESIGN/PRE- CONSTRUCTION CAREER PATH (ACPA)					
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<sup>a</sup> 8725400	<sup>a</sup> ARCH DRAFT	9- 12, 30, 31 /			
	Architectural Drafting				
8725010	DRAFTING 1	/Y	PA	1.0	
	Drafting 1/Level 3				
8725020	DRAFTING 2	/Y	PA	1.0	
	Drafting 2/Level 3				
8725030	DRAFTING 3	/Y	PA	1.0	
	Drafting 3/Level 3				
8725040	DRAFTING 4	/Y	PA	1.0	
	Drafting 4/Level 3				
8725450	ARCH DRAFTING 5	/Y	PA	1.0	
	Architectural Drafting 5/Level 3				
8725460	ARCH DRAFTING 6	/Y	PA	1.0	
	Architectural Drafting 6/Level 3				
<sup>a</sup> 8725470	ARCH DRAFTING 7	/Y	PA	1.0	
	Architectural Drafting 7/Level 3				
<sup>a</sup> 8725480	ARCH DRAFTING 8	/Y	PA	1.0	
	Architectural Drafting 8/Level 3				
<sup>a</sup> 8725490	ARCH DRAFTING 9	/Y	PA	1.0	
	Architectural Drafting 9/Level 3				
<sup>a</sup> 8725491	ARCH DRAFTING 10	/Y	PA	1.0	
	Architectural Drafting 10/Level 3				
<sup>a</sup> 8725492	ARCH DRAFTING 11	/Y	PA	1.0	
	Architectural Drafting 11/Level 3				
<sup>a</sup> 8725493	ARCH DRAFTING 12	/Y	PA	1.0	
	Architectural Drafting 12/Level 3				
<sup>a</sup> 8725494	ARCH DRAFTING 13	/Y	PA	1.0	
	Architectural Drafting 13/Level 3				
8101100	ARCH DRAFT SEC	9- 12, 30, 31 /			
	Architectural Drafting Secondary				
8725010	DRAFTING 1	/Y	PA	1.0	
	Drafting 1/Level 3				
8725020	DRAFTING 2	/Y	PA	1.0	
	Drafting 2/Level 3				
8725030	DRAFTING 3	/Y	PA	1.0	
	Drafting 3/Level 3				
8725040	DRAFTING 4	/Y	PA	1.0	
	Drafting 4/Level 3				
8725450	ARCH DRAFTING 5	/Y	PA	1.0	
	Architectural Drafting 5/Level 3				
8725460	ARCH DRAFTING 6	/Y	PA	1.0	
	Architectural Drafting 6/Level 3				

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8722000	BLDG TR & CONST DSN Building Trades and Construction Design Technology	9- 12, 30, 31 /				BLDG MAINT @7 7 G TROWEL TR 7 G PLUMBIN @7 7 G ELECTRICAL @7 7 G AC HEAT ME @7 7 G BLDG CONST @7 7 G DRAFTING @7 7 G SHEETMETAL @7 7 G TEC CONSTR @7 7 G CARPENTRY @7 7 G TEC DRAFT 7 G ROOFING 7 G TEC ED 1 @2 ENG 7 G WOODWORKIN @4
8722010	BLDG TR & CDT 1 Building Trades and Construction Design Technology 1/Level 2		/Y	VO	1.0	
8722020	BLDG TR & CDT 2 Building Trades and Construction Design Technology 2/Level 2		/Y	VO	1.0	
8722030	BLDG TR & CDT 3 Building Trades and Construction Design Technology 3/Level 3		/Y	PA	1.0	
8722040	BLDG TR & CDT 4 Building Trades and Construction Design Technology 4/Level 2		/Y	VO	1.0	
8722050	BLDG TR & CDT 5 Building Trades and Construction Design Technology 5/Level 2		/Y	VO	1.0	
8722060	BLDG TR & CDT 6 Building Trades and Construction Design Technology 6/Level 3		/Y	PA	1.0	
C100100	BLDG TR & CONST DSN Building Trades and Construction Design Technology	30, 31 /				BLDG MAINT @7 7 G PLUMBIN @7 7 G AC HEAT ME @7 7 G DRAFTING @7 7 G CARPENTRY @7 7 G ROOFING 7 G TEC CONSTR @7 7 G WOODWORKIN @4 TROWEL TR 7 G ELECTRICAL @7 7 G BLDG CONST @7 7 G SHEETMETAL @7 7 G TEC DRAFT 7 G TEC ED 1 @2 ENG 7 G
BCV0080	BLDG CONSTR ASST Building Construction Assistant		/Y	PA	3.0	
BCV0081	CARP & MASONRY TECH Carpentry and Masonry Technician		/Y	VO	1.0	
BCV0082	ELEC & PLUMBING TECH Electrical and Plumbing Technician		/Y	VO	1.0	
BCV0083	AIR COND & PAINT TEC Air Conditioning and Painting Technician		/Y	PA	1.0	
8915000	CIVIL ENGR AIDE Civil Engineering Aide	9- 12, 30, 31 /				TEC CONSTR @7 7 G SURVEY 7 G
8915010	CIVIL ENGR AIDE 1 Civil Engineering Aide 1/Level 2		/Y	PA	1.0	
8915020	CIVIL ENGR AIDE 2 Civil Engineering Aide 2/Level 2		/Y	PA	1.0	
8915030	CIVIL ENGR AIDE 3 Civil Engineering Aide 3/Level 3		/Y	VO	1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
8915040	CIVIL ENGR AIDE 4 Civil Engineering Aide 4/Level 3	/Y	VO	1.0		
8725000	DRAFTING Drafting	9- 12, 30, 31 /			BLDG CONST @7 7 G TEC DRAFT 7 G	DRAFTING @7 7 G TEC CONSTR @7 7 G
8725010	DRAFTING 1 Drafting 1/Level 3	/Y	PA	1.0		
8725020	DRAFTING 2 Drafting 2/Level 3	/Y	PA	1.0		
8725030	DRAFTING 3 Drafting 3/Level 3	/Y	PA	1.0		
8725040	DRAFTING 4 Drafting 4/Level 3	/Y	PA	1.0		
C100200	DRAFTING PSAV Drafting PSAV	30, 31 /			DRAFTING @7 7 G BLDG CONST @7 7 G	TEC CONSTR @7 7 G TEC DRAFT 7 G
TDR0070	BLUEPRINT READER Blueprint Reader	/Y	PA	1.0		
TDR0370	DRAFTING ASST Drafting Assistant	/Y	PA	3.0		
TDR0775	DRAFTING DETAILER 1 Drafting Detailer 1	/Y	VO	1.0		
TDR0776	DRAFTING DETAILER 2 Drafting Detailer 2	/Y	VO	1.0		
TDR0570	ARCHITECTURAL DRAFT Architectural Drafter	/Y	VO	1.0		
TDR0874	CIVIL DRAFTER Civil Drafter	/Y	VO	1.0		
TDR0777	MECHANICAL DRAFTER Mechanical Drafter	/Y	VO	1.0		
TDR0875	STRUCTURAL DRAFTER Structural Drafter	/Y	VO	1.0		
<sup>a</sup> 8725100	<sup>a</sup> ELECTRONIC DRAFT Electronic Drafting	9- 12, 30, 31 /			BLDG CONST @7 7 G TEC DRAFT 7 G	DRAFTING @7 7 G TEC CONSTR @7 7 G
8725010	DRAFTING 1 Drafting 1/Level 3	/Y	PA	1.0		
8725020	DRAFTING 2 Drafting 2/Level 3	/Y	PA	1.0		
8725030	DRAFTING 3 Drafting 3/Level 3	/Y	PA	1.0		
8725040	DRAFTING 4 Drafting 4/Level 3	/Y	PA	1.0		
<sup>a</sup> 8725110	<sup>a</sup> ELECTRONIC DRAFT 5 Electronic Drafting 5/Level 2	/Y	PA	1.0		
<sup>a</sup> 8725120	<sup>a</sup> ELECTRONIC DRAFT 6 Electronic Drafting 6/Level 2	/Y	PA	1.0		
<sup>a</sup> 8725130	<sup>a</sup> ELECTRONIC DRAFT 7 Electronic Drafting 7/Level 2	/Y	PA	1.0		
<sup>a</sup> 8725140	<sup>a</sup> ELECTRONIC DRAFT 8 Electronic Drafting 8/Level 2	/Y	PA	1.0		
<sup>a</sup> 8725500	<sup>a</sup> STRUCT DRAFT Structural Drafting	9- 12, 30, 31 /			BLDG CONST @7 7 G TEC DRAFT 7 G	DRAFTING @7 7 G TEC CONSTR @7 7 G
8725010	DRAFTING 1 Drafting 1/Level 3	/Y	PA	1.0		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
8725020	DRAFTING 2 Drafting 2/Level 3	/Y	PA		1.0	
8725030	DRAFTING 3 Drafting 3/Level 3	/Y	PA		1.0	
8725040	DRAFTING 4 Drafting 4/Level 3	/Y	PA		1.0	
8725550	STRUCT DRAFTING 5 Structural Drafting 5/Level 3	/Y	PA		1.0	
8725560	STRUCT DRAFTING 6 Structural Drafting 6/Level 3	/Y	PA		1.0	
<sup>a</sup> 8725570	STRUCT DRAFTING 7 Structural Drafting 7/Level 2	/Y	PA		1.0	
<sup>a</sup> 8725580	STRUCT DRAFTING 8 Structural Drafting 8/Level 2	/Y	PA		1.0	
<sup>a</sup> 8725590	STRUCT DRAFTING 9 Structural Drafting 9/Level 2	/Y	PA		1.0	
<sup>a</sup> 8725591	STRUCT DRAFTING 10 Structural Drafting 10/Level 2	/Y	PA		1.0	
<sup>a</sup> 8725592	STRUCT DRAFTING 11 Structural Drafting 11/Level 2	/Y	PA		1.0	
<sup>a</sup> 8725593	STRUCT DRAFTING 12 Structural Drafting 12/Level 2	/Y	PA		1.0	
8101200	STRUCTURAL DRAFT SEC Structural Drafting Secondary	9- 12, 30, 31 /				BLDG CONST @7 7 G TEC DRAFT 7 G DRAFTING @7 7 G TEC CONSTR @7 7 G
8725010	DRAFTING 1 Drafting 1/Level 3	/Y	PA		1.0	
8725020	DRAFTING 2 Drafting 2/Level 3	/Y	PA		1.0	
8725030	DRAFTING 3 Drafting 3/Level 3	/Y	PA		1.0	
8725040	DRAFTING 4 Drafting 4/Level 3	/Y	PA		1.0	
8725550	STRUCT DRAFTING 5 Structural Drafting 5/Level 3	/Y	PA		1.0	
8725560	STRUCT DRAFTING 6 Structural Drafting 6/Level 3	/Y	PA		1.0	
I150203	SURVEY & MAP TECH Surveying and Mapping Technology	30, 31 /				TEC CONSTR ¶7 ¶G SURVEY 7 G
SUR0130	SURVEYING RODMAN Surveying Rodman	/Y	VO		3.0	
SUR0132	SURVEY ASST, INSTRU Survey Assistant, Instrument	/Y	VO		3.0	
SUR0134	SURVEY PARTY CHIEF Survey Party Chief	/Y	VO		3.0	
CONSTRUCTION CAREER PATH (ACPB)						
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8723000	A/C, REFG & HT TECH Air Conditioning, Refrigeration and Heating Technology	9- 12, 30, 31 /				AC HEAT ME @7 7 G REFRG MECH 7 G



## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8713010	A/C, REFG & HT TECH 1 Air Conditioning, Refrigeration and Heating Technology 1/Level 2	/Y	VO		1.0	
8713020	A/C, REFG & HT TECH 2 Air Conditioning, Refrigeration and Heating Technology 2/Level 2	/Y	VO		1.0	
8713030	A/C, REFG&HT TECH 3 Air Conditioning, Refrigeration and Heating Technology 3/Level 2	/Y	VO		1.0	
8713040	A/C, REFG&HT TECH 4 Air Conditioning, Refrigeration and Heating Technology 4/Level 2	/Y	VO		1.0	
8713050	A/C, REFG&HT TECH 5 Air Conditioning, Refrigeration and Heating Technology 5/Level 2	/Y	VO		1.0	
8713060	A/C, REFG&HT TECH 6 Air Conditioning, Refrigeration and Heating Technology 6/Level 2	/Y	VO		1.0	
8713070	A/C, REFG&HT TECH 7 Air Conditioning, Refrigeration and Heating Technology 7/Level 2	/Y	VO		1.0	
I470203	AIR COND, REF, HEAT Air Conditioning, Refrigeration and Heating Technology	30, 31	/			AC HEAT ME @7 7 G REFRG MECH 7 G
ACR0041	AC, REFG & HEAT HELP Air Conditioning, Refrigeration and Heating Helper	/Y	VO		1.5	
ACR0043	AC, REFG & HEAT MECH Air Conditioning, Refrigeration and Heating Mechanic Assistant	/Y	VO		1.5	
ACR0047	AC, REFG & HEAT MECH1 Air Conditioning, Refrigeration and Heating Mechanic 1	/Y	VO		1.5	
ACR0049	AC, REFG & HEAT MECH2 Air Conditioning, Refrigeration and Heating Mechanic 2	/Y	VO		1.5	
ACR0044	AC, REFG & HEAT TECH Air Conditioning, Refrigeration and Heating Technician AND/OR	/Y	VO		2.0	
ACR0045	REFRIGERATION MECH Refrigeration Mechanic	/Y	VO		2.0	
C400100	AIR COND, REF, HEAT1 Air Conditioning, Refrigeration and Heating Technology 1	30, 31	/			AC HEAT ME @7 7 G REFRG MECH 7 G
ACR0041	AC, REFG & HEAT HELP Air Conditioning, Refrigeration and Heating Helper	/Y	VO		1.5	
ACR0043	AC, REFG & HEAT MECH Air Conditioning, Refrigeration and Heating Mechanic Assistant	/Y	VO		1.5	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
ACR0047	AC, REFG & HEAT MECH1 Air Conditioning, Refrigeration and Heating Mechanic 1	/Y	VO		1.5	
C400200	AIR COND, REF, HEAT2 Air Conditioning, Refrigeration and Heating Technology 2	30, 31	/			AC HEAT ME @7 G REFRG MECH @7 G
ACR0049	AC, REFG & HEAT MECH2 Air Conditioning, Refrigeration and Heating Mechanic 2	/Y	VO		1.5	
ACR0044	AC, REFG & HEAT TECH Air Conditioning, Refrigeration and Heating Technician AND/OR	/Y	VO		2.0	
ACR0045	REFRIGERATION MECH Refrigeration Mechanic	/Y	VO		2.0	
8722900	BRK & BLOCK MASONRY Brick and Block Masonry	9- 12, 30, 31	/			BLDG CONST ¶7 ¶G TROWEL TR 7 G TEC CONSTR ¶7 ¶G
8722610	MASONRY 1 Masonry 1/Level 2	/Y	VO		1.0	
8722620	MASONRY 2 Masonry 2/Level 2	/Y	VO		1.0	
8722630	MASONRY 3 Masonry 3/Level 2	/Y	VO		1.0	
8722640	MASONRY 4 Masonry 4/Level 2	/Y	VO		1.0	
8722650	MASONRY 5 Masonry 5/Level 2	/Y	VO		1.0	
I463112	BRK & BLK MASONRY Brick and Block Masonry	30, 31	/			BLDG CONST ¶7 ¶G TROWEL TR 7 G TEC CONSTR ¶7 ¶G
BCV0330	MASONRY TENDER Masonry Tender	/Y	VO		3.0	
BCV0360	BRI CKLAYER HELPER Bri cklayer Helper	/Y	VO		2.0	
BCV0362	BRI CKMASON 1 Brickmason 1	/Y	VO		3.0	
BCV0363	BRI CKMASON 2 Brickmason 2	/Y	VO		3.0	
8720300	BLDG CONST TECH Building Constructi on Technol ogi es	9- 12, 30, 31	/			BLDG CONST @7 7 G PLUMBIN @7 7 G AC HEAT ME @7 7 G WOODWORKIN @4 CARPENTRY @7 7 G SHEETMETAL @7 7 G ENG 7 G TROWEL TR 7 G ELECTRICAL @7 7 G TEC CONSTR @7 7 G BLDG MAINT @7 7 G DRAFTING @7 7 G TEC DRAFT 7 G
8720310	BLDG CONST TECH 1 Bui ldi ng Constructi on Technol ogi es 1/Level 2	/Y	VO		1.0	
8720320	BLDG CONST TECH 2 Bui ldi ng Constructi on Technol ogi es 2/Level 2	/Y	VO		1.0	
8720330	BLDG CONST TECH 3 Bui ldi ng Constructi on Technol ogi es 3/Level 3	/Y	VO		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT MEETING AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8720340	BLDG CONST TECH 4 Building Construction Technologies 4/Level 2	/Y	VO	1.0	
8720350	BLDG CONST TECH 5 Building Construction Technologies 5/Level 2	/Y	VO	1.0	
8720360	BLDG CONST TECH 6 Building Construction Technologies 6/Level 2	/Y	VO	1.0	
8720370	BLDG CONST TECH 7 Building Construction Technologies 7/Level 2	/Y	VO	1.0	
I460401	BLDG CONST TECH Building Construction Technologies	30, 31	/		BLDG CONST @7 7 G PLUMBIN @7 7 G AC HEAT ME @7 7 G WOODWORKIN @4 CARPENTRY @7 7 G SHEETMETAL @7 7 G ENG 7 G TROWEL TR 7 G ELECTRICAL @7 7 G TEC CONSTR @7 7 G BLDG MAINT @7 7 G DRAFTING @7 7 G TEC DRAFT 7 G
BCV0400	BLDG CONST HLP Building Construction Helper	/Y	VO	3.0	
BCV0401	BLDG CONST TECH 1 Building Construction Technician 1	/Y	VO	2.0	
BCV0402	BLDG CONST TECH 2 Building Construction Technician 2	/Y	VO	2.0	
<sup>a</sup> 8720100	<sup>a</sup> CABINETMAKING Cabinetmaking	9- 12, 30, 31	/		CAB WOODWK @7 7 G BLDG CONST @7 7 G CARPENTRY @7 7 G TEC CONSTR @7 7 G
<sup>a</sup> 8722110	CARP & CAB MAKING 1 Carpentry and Cabinetmaking 1/Level 2	/Y	VO	1.0	
<sup>a</sup> 8722120	CARP & CAB MAKING 2 Carpentry and Cabinetmaking 2/Level 2	/Y	VO	1.0	
<sup>a</sup> 8722130	CARP & CAB MAKING 3 Carpentry and Cabinetmaking 3/Level 3	/Y	VO	1.0	
8720140	CABINETMAKING 4 Cabinetmaking 4/Level 2	/Y	VO	1.0	
8720150	CABINETMAKING 5 Cabinetmaking 5/Level 2	/Y	VO	1.0	
<sup>a</sup> 8104400	<sup>a</sup> CABINETMAKING (NEW) Cabinetmaking	9- 12, 30, 31	/		CAB WOODWK @7 7 G BLDG CONST @7 7 G CARPENTRY @7 7 G TEC CONSTR @7 7 G
8104410	CABINETMAKING 1 Cabinetmaking 1/Level 2	/Y	PA	1.0	
8104420	CABINETMAKING 2 Cabinetmaking 2/Level 2	/Y	PA	1.0	
8104430	CABINETMAKING 3 Cabinetmaking 3/Level 3	/Y	PA	1.0	
8720140	CABINETMAKING 4 Cabinetmaking 4/Level 2	/Y	VO	1.0	
8720150	CABINETMAKING 5 Cabinetmaking 5/Level 2	/Y	VO	1.0	
<sup>a</sup> I480704	<sup>a</sup> CABINETMAKING Cabinetmaking	30, 31	/		CAB WOODWK @7 7 G BLDG CONST @7 7 G CARPENTRY @7 7 G TEC CONSTR @7 7 G

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
BCV0107	CARPENTER HELPER Carpenter Hel per	/Y	VO	2.0	
BCV0235	CABINET FINISHER Cabin et Fi ni sher	/Y	VO	1.0	
BCV0240	CABINET ASSEMBLER Cabin et Assembl er	/Y	VO	2.0	
BCV0243	CABINETMAKER Cabin etmaker	/Y	VO	3.0	
□C410400	CABINETMAKING(NEW) Cabin etmaki ng	30, 31 /			CAB WOODWK @7 7 G BLDG CONST @7 7 G
BCV0200	CABINETMAKER HELPER Cabin etmaker Hel per	/Y	VO	2.0	
BCV0235	CABINET FINISHER Cabin et Fi ni sher	/Y	VO	1.0	
BCV0240	CABINET ASSEMBLER Cabin et Assembl er	/Y	VO	2.0	
BCV0243	CABINETMAKER Cabin etmaker	/Y	VO	3.0	
ª8722100	ªCARPENTRY Carpentry	9- 12, 30, 31 /			CAB WOODWK @7 7 G BLDG CONST @7 7 G
ª8722110	CARP & CAB MAKING 1 Carpentry and Cabin etmaking 1/Level 2	/Y	VO	1.0	
ª8722120	CARP & CAB MAKING 2 Carpentry and Cabin etmaking 2/Level 2	/Y	VO	1.0	
ª8722130	CARP & CAB MAKING 3 Carpentry and Cabin etmaking 3/Level 3	/Y	VO	1.0	
8722140	CARP 4 Carpentry 4/Level 3	/Y	VO	1.0	
8722150	CARP 5 Carpentry 5/Level 3	/Y	VO	1.0	
8722160	CARP 6 Carpentry 6/Level 3	/Y	VO	1.0	
8722170	CARP 7 Carpentry 7/Level 3	/Y	VO	1.0	
I460202	CARPENTRY Carpentry	30, 31 /			CAB WOODWK @7 7 G BLDG CONST @7 7 G
BCV0107	CARPENTER HELPER Carpenter Hel per	/Y	VO	2.0	
BCV0111	TRIM & FINISH CARP Trim and Finish Carpenter	/Y	VO	2.0	
BCV0122	CARPENTER, ROUGH Carpenter, Rough	/Y	VO	3.0	
BCV0128	CARPENTER Carpenter	/Y	VO	1.0	
□8104500	CARPENTRY (NEW) Carpentry (New)	9- 12, 30, 31 /			CAB WOODWK @7 7 G BLDG CONST @7 7 G
8104510	CARPENTRY 1 Carpentry 1/Level 2	/Y	PA	1.0	
8104520	CARPENTRY 2 Carpentry 2/Level 2	/Y	PA	1.0	
8104530	CARPENTRY 3 Carpentry 3/Level 3	/Y	PA	1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8722140	CARP 4 Carpentry 4/Level 3	/Y	VO	1.0	
8722150	CARP 5 Carpentry 5/Level 3	/Y	VO	1.0	
8722160	CARP 6 Carpentry 6/Level 3	/Y	VO	1.0	
8722170	CARP 7 Carpentry 7/Level 3	/Y	VO	1.0	
C510100	CARPENTRY 1 Carpentry 1	30, 31	/		CAB WOODWK @7 7 G BLDG CONST @7 7 G
BCV0107	CARPENTER HELPER Carpenter Helper	/Y	VO	2.0	
BCV0111	TRIM & FINISH CARP Trim and Finish Carpenter	/Y	VO	2.0	
C510200	CARPENTRY 2 Carpentry 2	30, 31	/		CAB WOODWK @7 7 G BLDG CONST @7 7 G
BCV0122	CARPENTER, ROUGH Carpenter, Rough	/Y	VO	3.0	
BCV0128	CARPENTER Carpenter	/Y	VO	1.0	
I460314	ELECTRICIAN Electrician	30, 31	/		ELECTRICAL @7 7 G
BCV0603	ELECTRICIAN HELPER Electrician Helper	/Y	VO	2.0	
BCV0640	RES ELECTRICIAN Residential Electrician	/Y	VO	3.0	
BCV0652	COMM ELECTRICIAN Commercial Electrician	/Y	VO	3.0	
BCV0667	INDUST ELECTRICIAN Industrial Electrician	/Y	VO	2.0	
8727200	ELECTRICITY Electricity	9- 12, 30, 31	/		ELECTRICAL @7 7 G
8727210	ELECTRICITY 1 Electricity 1/Level 2	/Y	VO	1.0	
8727220	ELECTRICITY 2 Electricity 2/Level 2	/Y	VO	1.0	
8727230	ELECTRICITY 3 Electricity 3/Level 3	/Y	VO	1.0	
8727240	ELECTRICITY 4 Electricity 4/Level 3	/Y	VO	1.0	
8727250	ELECTRICITY 5 Electricity 5/Level 3	/Y	VO	1.0	
8727260	ELECTRICITY 6 Electricity 6/Level 3	/Y	VO	1.0	
8727270	ELECTRICITY 7 Electricity 7/Level 3	/Y	VO	1.0	
8727280	ELECTRICITY 8 Electricity 8/Level 3	/Y	VO	1.0	
I460312	ELECTRICITY Electricity	30, 31	/		ELECTRICAL @7 7 G
BCV0603	ELECTRICIAN HELPER Electrician Helper	/Y	VO	2.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
BCV0640	RES ELECTRICIAN Residential Electrician	/Y	VO		3.0	
BCV0652	COMM ELECTRICIAN Commercial Electrician	/Y	VO		3.0	
<sup>a</sup> 8706300	<sup>a</sup> INDUS ELECTR Industrial Electricity	9- 12, 30- 31 /				ELECTRICAL @7 7 G
<sup>a</sup> 8706310	INDUS ELECTR 1 Industrial Electricity 1/Level 2	/Y	VO		1.0	
<sup>a</sup> 8706320	INDUS ELECTR 2 Industrial Electricity 2/Level 2	/Y	VO		1.0	
<sup>a</sup> 8706330	INDUS ELECTR 3 Industrial Electricity 3/Level 2	/Y	VO		1.0	
<sup>a</sup> 8706340	INDUS ELECTR 4 Industrial Electricity 4/Level 2	/Y	VO		1.0	
<sup>a</sup> 8706350	INDUS ELECTR 5 Industrial Electricity 5/Level 2	/Y	VO		1.0	
<sup>a</sup> 8706360	INDUS ELECTR 6 Industrial Electricity 6/Level 2	/Y	VO		1.0	
<sup>a</sup> I460313	<sup>a</sup> INDUS ELECTR Industrial Electricity	30, 31 /				ELECTRICAL @7 7 G
BCV0603	ELECTRICIAN HELPER Electrician Helper	/Y	VO		2.0	
BCV0667	INDUST ELECTRICIAN Industrial Electrician	/Y	VO		2.0	
<sup>a</sup> BCV0666	ELECTRICAL TECH Electrical Technician	/Y	VO		2.0	
I460514	INDUS PIPEFITTER Industrial Pipefitter	30, 31 /				PLUMBIN @7 G TEC CONSTR ¶7 ¶G
BCV0568	INDUST PIPEFIT HLP Industrial Pipefitter Helper	/Y	VO		2.0	
BCV0569	INDUST PIPEFITTER Industrial Pipefitter	/Y	VO		2.0	
8721500	PAINT & DECORATING Painting and Decorating	9- 12, 30, 31 /				TEC CONSTR ¶7 ¶G PAINTING 7 G
8721510	PAINTING 1 Painting 1/Level 2	/Y	VO		1.0	
8721520	PAINTING 2 Painting 2/Level 2	/Y	VO		1.0	
8721530	PAINT & DECORATING 3 Painting and Decorating 3/Level 2	/Y	PA		1.0	
8721540	PAINT & DECORATING 4 Painting and Decorating 4/Level 2	/Y	VO		1.0	
I460408	PAINT & DECORATING Painting and Decorating	30, 31 /				TEC CONSTR ¶7 ¶G PAINTING 7 G
BCV0164	PAINT & PAPER HANG 1 Painter and Paper Hanger 1	/Y	VO		2.0	
BCV0165	PAINT & PAPER HANG 2 Painter and Paper Hanger 2	/Y	VO		2.0	
8721600	PLUMBING TECH Plumbing Technology	9- 12, 30, 31 /				BLDG CONST ¶7 ¶G PLUMBIN @7 7 G
8721610	PLUMBING TECH 1 Plumbing Technology 1/Level 2	/Y	VO		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8721620	PLUMBING TECH 2 Plumbing Technology 2/Level 2	/Y	VO		1.0	
8721630	PLUMBING TECH 3 Plumbing Technology 3/Level 2	/Y	VO		1.0	
8721640	PLUMBING TECH 4 Plumbing Technology 4/Level 2	/Y	VO		1.0	
8721650	PLUMBING TECH 5 Plumbing Technology 5/Level 2	/Y	VO		1.0	
8721660	PLUMBING TECH 6 Plumbing Technology 6/Level 2	/Y	VO		1.0	
8721670	PLUMBING TECH 7 Plumbing Technology 7/Level 2	/Y	VO		1.0	
I460513	PLUMBING TECHNOLOGY Plumbing Technology	30, 31	/			
BCV0508	HLP, PLUMB, PIPEFIT Helper, Plumber, Pipefitter	/Y	VO		2.0	
BCV0540	RES PLUMBER Residential Plumber	/Y	VO		2.0	
BCV0562	COMM PLUMBER Commercial Plumber	/Y	VO		2.0	
BCV0592	PLUMBER Plumber	/Y	VO		1.0	
8723100	TILE SETTING Tile Setting	9- 12, 30, 31	/			
8723110	TILE SETTING 1 Tile Setting 1/Level 2	/Y	VO		1.0	
8723120	TILE SETTING 2 Tile Setting 2/Level 2	/Y	VO		1.0	
8723130	TILE SETTING 3 Tile Setting 3/Level 2	/Y	VO		1.0	
I460103	TILE SETTING Tile Setting	30, 31	/			
BCV0392	HARD TILE SETTER 1 Hard Tile Setter 1	/Y	VO		1.5	
BCV0393	HARD TILE SETTER 2 Hard Tile Setter 2	/Y	VO		1.5	
SUPPLEMENTAL PROGRAMS						
8700400	ARCH & CONSTRC - OJT Architecture and Construction Cooperative Education - OJT	9- 12, 30, 31	/M	VO	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
I469999	ARCH & CONST-OJT Architecture and Construction Cooperative Education - OJT	30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8700100	ARCH & CONST DS Architecture and Construction Education Directed Study	11- 12, 30, 31	/M	VO	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8130300	FUND OF ARCH & CONST Fundamentals of Architecture and Construction	6- 8	/S	VO		
					TEC ED 1 @2 BLDG MAINT @7 7 G	BLDG CONST @7 7 G DRAFTING @7 7 G

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8799990	INDUS ED TRAN Industrial Education Transfer	9- 12, 30, 31 /			NA	
I000000	INDUS ED TRANSFER Industrial Education Transfer	30, 31 /			NA	
8109350	INTRO ARCH & CONST Introduction to Architecture and Construction	6- 8 /S	VO	MULTIPLE	TEC ED 1 @2 BLDG MAINT @7 7 G	BLDG CONST @7 7 G DRAFTING @7 7 G
8109360	INTRO ARCH & CONS/CP Introduction to Architecture and Construction and Career Planning	6- 8 /S	VO	MULTIPLE	TEC ED 1 @2 BLDG MAINT @7 7 G	BLDG CONST @7 7 G DRAFTING @7 7 G

## APPRENTICESHIP PROGRAMS

I47021R	AIR COND, REF, HT- APPR Air Conditioning, Refrigeration and Heating Technology- Apprenticeship	30, 31 /				
I46311R	BRK & BLK MAS - APPR Brick and Block Masonry - Apprenticeship	30, 31 /				
I46312R	BRK & TILE MASON- APPR Brick and Tile Masonry - Apprenticeship	30, 31 /				
I46040R	BLDG CONST TECH- APPR Building Construction Technologies - Apprenticeship	30, 31 /				
I46020R	CARPENTRY - APPR Carpentry - Apprenticeship	30, 31 /				
I46042R	CMCL&INDUSINSUL- APPR Commercial and Industrial Insulation - Apprenticeship	30, 31 /				
C10020R	DRAFTING APPR Drafting Apprenticeship	30, 31 /				
I46032R	ELECTRICIAN - APPR Electrician - Apprenticeship	30, 31 /				
C60010R	ELEV CONST MECH- APPR Elevator Constructor Mechanic - Apprenticeship	30, 31 /				
I46051R	FIRE SPRI SYSS- APPR Fire Sprinkler System Technology- Apprenticeship	30, 31 /				
I15050R	GEODETIC COMP - APPR Geodetic Computator - Apprenticeship	30, 31 /				
I46041R	GLAZING - APPR Glazing - Apprenticeship	30, 31 /				
I46053R	INDUS PIPEFIT- APPR Industrial Pipefitter - Apprenticeship	30, 31 /				
I46031R	LINE ERECTOR- APPR Line Erector - Apprenticeship	30, 31 /				



PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
I46043R	PAINT & DEC - APPR Painting and Decorating - Apprenticeship	30, 31	/			
I46044R	PLASTERING - APPR Plastering - Apprenticeship	30, 31	/			
I46052R	PLUMBING TECH-APPR Plumbing Technology - Apprenticeship	30, 31	/			
I47020R	REFG TECH - APPR Refrigeration Technology - Apprenticeship	30, 31	/			
I46049R	ROADWAY TECH-APPR Roadway Technician- Apprenticeship	30, 31	/			
I46045R	ROOFING - APPR Roofing - Apprenticeship	30, 31	/			
I48051R	STRUCT ST WK-APPR Structural Steel Worker - Apprenticeship	30, 31	/			
I15020R	SUR & MAP TECH APPR Surveying and Mapping Technology - Apprenticeship	30, 31	/			
I46993R	SWIM POOL MAINT-APPR Swimming Pool Maintenance - Apprenticeship	30, 31	/			
I46010R	TILE SETTING - APPR Tile Setting - Apprenticeship	30, 31	/			

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ARTS, A/V TECHNOLOGY & COMMUNICATION CAREER CLUSTER

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 AUDIO/VIDEO TECHNOLOGY & FILM CAREER PATH (ARPA)  
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8772300	DIG AUD PROD Digital Audio Production	9- 12, 30, 31	/			TEC ELEC TEC ED	¶7 ¶G 1 @2	TV PRO TEC @7	7	G
8772310	DIG AUD PROD 1 Digital Audio Production 1/Level 2		/Y	PA	1.0					
8772320	DIG AUD PROD 2 Digital Audio Production 2/Level 2		/Y	PA	1.0					
8772330	DIG AUD PROD 3 Digital Audio Production 3/Level 2		/Y	PA	1.0					
8772340	DIG AUD PROD 4 Digital Audio Production 4/Level 2		/Y	PA	1.0					
8772350	DIG AUD PROD 5 Digital Audio Production 5/Level 2		/Y	PA	1.0					
8772360	DIG AUD PROD 6 Digital Audio Production 6/Level 2		/Y	PA	1.0					
8772370	DIG AUD PROD 7 Digital Audio Production 7/Level 2		/Y	PA	1.0					
I100230	DIG AUD PROD Digital Audio Production	30, 31	/			TEC ELEC TEC ED	¶7 ¶G 1 @2	TV PRO TEC @7	7	G

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION		
			REQUIREMENTS	GRADUATION				
RTT0522	BROADCAST ANNOUNCER Broadcast Announcer	/Y	PA		1.0			
RTT0523	AUDIO EQUIP TECH Audio Equipment Technician	/Y	PA		2.0			
RTT0524	SOUND ENGR TECH Sound Engineering Technician	/Y	PA		2.0			
RTT0527	AUDIO BROADCAST TECH Audio Broadcast Technician	/Y	PA		2.0			
8201000	DIG CINEMA PROD Digital Cinema Production	9- 12, 30, 31 /				TV PRO TEC @7	7 G	TEC ED 1 @2
8201010	DIG CINEMA PROD 1 Digital Cinema Production 1/Level 2	/Y	VO		1.0			
8201020	DIG CINEMA PROD 2 Digital Cinema Production 2/Level 2	/Y	VO		1.0			
8201030	DIG CINEMA PROD 3 Digital Cinema Production 3/Level 2	/Y	VO		1.0			
8201040	DIG CINEMA PROD 4 Digital Cinema Production 4/Level 2	/Y	VO		1.0			
8201050	DIG CINEMA PROD 5 Digital Cinema Production 5/Level 2	/Y	VO		1.0			
8201060	DIG CINEMA PROD 6 Digital Cinema Production 6/Level 2	/Y	VO		1.0			
8201070	DIG CINEMA PROD 7 Digital Cinema Production 7/Level 2	/Y	VO		1.0			
K100100	DIG CINEMA PROD Digital Cinema Production	30, 31 /				TV PRO TEC @7	7 G	TEC ED 1 @2
FIL0085	VIDEO PROD MGR Video Production Manager	/Y	VO		2.0			
FIL0086	GRIP & LIGHT TECH Grip and Lighting Technician	/Y	VO		1.0			
FIL0087	MP PROJ/DIG CINEMA Motion Picture Projectionists/Digital Cinematographer	/Y	VO		2.0			
FIL0088	DIG VIDEO EDITOR Digital Video Editor	/Y	VO		1.0			
FIL0089	VISUAL EFFECTS ART Visual Effects Artist	/Y	VO		1.0			
8201200	DIG MEDIA/MM DESIGN Digital Media/Multimedia Design	9- 12, 30, 31 /				BUS ED 1 @2 SECRETAR 7 G COMPU SCI 6 TV PRO TEC @7 7 G PRINTING @7 7 G		VOE @7 TEC ELEC @7 COMM ART @7 7 G TEC ED 1 @2 DIGI MEDIA 7 G
8201210	DIG MEDIA/MM FOUND 1 Digital Media/Multimedia Foundations 1/Level 2	/Y	PA		1.0			
8201220	DIG MEDIA/MM FOUND 2 Digital Media/Multimedia Foundations 2/Level 2	/Y	PA		1.0			
8201230	DIG MEDIA/MM FOUND 3 Digital Media/Multimedia Foundations 3/Level 2	/Y	VO		1.0			

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8201240	DIG MEDIA/MM FOUND 4 Digital Media/Multimedia Foundations 4/Level 2	/Y	PA	1.0	
8201250	DIG MEDIA/MM FOUND 5 Digital Media/Multimedia Foundations 5/Level 2	/Y	PA	1.0	
8201260	DIG MEDIA/MM FOUND 6 Digital Media/Multimedia Foundations 6/Level 2	/Y	PA	1.0	
8201270	DIG MEDIA/MM FOUND 7 Digital Media/Multimedia Foundations 7/Level 2	/Y	PA	1.0	
K100200	DIG MEDIA/MM DESIGN Digital Media/Multimedia Design	30, 31	/		BUS ED 1 @2 SECRETAR 7 G COMPU SCI 6 TV PRO TEC @7 7 G PRINTING @7 7 G VOE @7 TEC ELEC @7 COMM ART @7 7 G TEC ED 1 @2 DIGI MEDIA 7 G
DIG0081	THEORY & FOUND DSN Theory and Foundations of Design	/Y	VO	1.0	
DIG0082	MM DIGITAL/PRINT DSN Multimedia Digital/Print Designer	/Y	VO	2.0	
DIG0083	MM WEB INTERACTIVE Multimedia Web Interactive Designer	/Y	VO	2.0	
DIG0084	MM PRODUCER DESIGN Multimedia Integrated Producer Designer	/Y	VO	2.0	
8201300	DIG PHOTO TECH Digital Photography Technology	9- 12, 30, 31	/		PHOTOG @7 7 G
8201310	DIG PHOTOGRAPHY 1 Digital Photography 1/Level 2	/Y	PA	1.0	
8201320	DIG PHOTOGRAPHY 2 Digital Photography 2/Level 2	/Y	VO	1.0	
8201330	DIG PHOTOGRAPHY 3 Digital Photography 3/Level 2	/Y	PA	1.0	
8201340	DIG PHOTOGRAPHY 4 Digital Photography 4/Level 2	/Y	PA	1.0	
8201350	DIG PHOTOGRAPHY 5 Digital Photography 5/Level 2	/Y	PA	1.0	
8201360	DIG PHOTOGRAPHY 6 Digital Photography 6/Level 2	/Y	VO	1.0	
8201370	DIG PHOTOGRAPHY 7 Digital Photography 7/Level 2	/Y	PA	1.0	
K100300	DIG PHOTO TECH Digital Photography Technology	30, 31	/		PHOTOG @7 7 G
PGY0190	PHOTOGRAPHIC SPEC Photographic Specialist	/Y	VO	1.0	
PGY0191	PHOTOGRAPHY TECH Photography Technician	/Y	VO	2.0	
PGY0192	STUDIO PHOTOGRAPHER Studio Photographer	/Y	VO	2.0	
PGY0193	DIGITAL PHOTOGRAPHER Digital Photographer	/Y	VO	2.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION	
			REQUIREMENTS	GRADUATION			
8772400	DIG VID PROD Digital Video Production	9- 12, 30, 31 /			TEC ELEC TEC ED	¶7 ¶G 1 @2	TV PRO TEC @7 7 G
8772410	DIG VID PROD 1 Digital Video Production 1/Level 3	/Y	PA		1.0		
8772420	DIG VID PROD 2 Digital Video Production 2/Level 3	/Y	PA		1.0		
8772430	DIG VID PROD 3 Digital Video Production 3/Level 3	/Y	PA		1.0		
8772440	DIG VID PROD 4 Digital Video Production 4/Level 3	/Y	PA		1.0		
8772450	DIG VID PROD 5 Digital Video Production 5/Level 3	/Y	PA		1.0		
8772460	DIG VID PROD 6 Digital Video Production 6/Level 3	/Y	PA		1.0		
8772470	DIG VID PROD 7 Digital Video Production 7/Level 2	/Y	PA		1.0		
8772480	DIG VID PROD 8 Digital Video Production 8/Level 2	/Y	PA		1.0		
8772490	DIG VID PROD 9 Digital Video Production 9/Level 2	/Y	PA		1.0		
8772491	DIG VID PROD 10 Digital Video Production 10/Level 2	/Y	PA		1.0		
I100240	DIG VID PROD Digital Video Production	30, 31 /			TEC ELEC TV PRO TEC	¶7 ¶G @7 7 G	TEC ED 1 @2
RTT0530	DIG VIDEO FUND Digital Video Fundamentals	/Y	PA		1.0		
RTT0531	AUD/VID EQUIP TECH Audio and Video Equipment Technician	/Y	PA		1.0		
RTT0532	CAMERA OPERATOR Camera Operator	/Y	PA		2.0		
RTT0533	VIDEO EDITOR Video Editor	/Y	PA		2.0		
RTT0534	MM ARTIST & ANIMATOR Multi-media Artist and Animator	/Y	PA		2.0		
RTT0525	BROADCAST TECH Broadcast Technician	/Y	PA		2.0		
8772200	FILM PDCT EQ OPERAT Film Production Equipment Operations	9- 12, 30, 31 /			TV PRO TEC @7 7 G	TEC ELEC @7 7 G	
8772210	FILM PDCT EQ OP 1 Film Production Equipment Operations 1/Level 2	/Y	PA		1.0		
8772220	FILM PDCT EQ OP 2 Film Production Equipment Operations 2/Level 2	/Y	VO		1.0		
8772230	FILM PDCT EQ OP 3 Film Production Equipment Operations 3/Level 2	/Y	VO		1.0		
8772240	FILM PDCT EQ OP 4 Film Production Equipment Operations 4/Level 2	/Y	VO		1.0		

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
8772250	FILM PDCT EQ OP 5 Film Production Equipment Operations 5/Level 2	/Y	VO		1.0	
8772260	FILM PDCT EQ OP 6 Film Production Equipment Operations 6/Level 2	/Y	VO		1.0	
8772270	FILM PDCT EQ OP 7 Film Production Equipment Operations 7/Level 2	/Y	VO		1.0	
8772280	FILM PDCT EQ OP 8 Film Production Equipment Operations 8/Level 2	/Y	VO		1.0	
8772290	FILM PDCT EQ OP 9 Film Production Equipment Operations 9/Level 2	/Y	VO		1.0	
8772291	FILM PDCT EQ OP 10 Film Production Equipment Operations 10/Level 2	/Y	VO		1.0	
8772292	FILM PDCT EQ OP 11 Film Production Equipment Operations 11/Level 2	/Y	VO		1.0	
I100112	FILM PDCT EQ OPERAT Film Production Equipment Operations	30, 31	/			TV PRO TEC @7 7 G      TEC ELEC @7 7 G
FIL0080	SET BLD/PROP MAKER Set Builder/Prop Maker		/Y	PA	2.0	
FIL0081	SOUND EQUIP OP Sound Equipment Operator		/Y	VO	1.5	
FIL0082	GRIPS & LIGHTING EQ Grips and Lighting Equipment Operator		/Y	VO	2.5	
FIL0083	EDITING EQUIP OP Editing Equipment Operator		/Y	VO	2.5	
FIL0084	CAMERA ASST Camera Assistant		/Y	VO	2.5	
K200200	STAGE PRODUCTION Stage Production	30, 31	/			TEC ED 1 @2      ELECTRICAL @7 7 G BLDG CONST @7 7 G      TEC CONSTR @7 7 G
TPA0390	STAGE PROD ASST Stage Production Assistant		/Y	VO	1.0	
TPA0391	STAGE PROD TECH Stage Production Technician		/Y	VO	1.0	
8718100	3-D ANIMATION TECH 3-D Animation Technology	9-12, 30, 31	/			BUS ED 1 @2      COMPU SCI 6 COMM ART @7 7 G      TV PRO TEC @7 7 G TEC ELEC \$7 G      ELECT DP @7 %G
8718110	3-D ANIMATION TECH 1 3-D Animation Technology 1/Level 2	/Y	PA		1.0	
8718120	3-D ANIMATION TECH 2 3-D Animation Technology 2/Level 2	/Y	PA		1.0	
8718130	3-D ANIMATION TECH 3 3-D Animation Technology 3/Level 2	/Y	PA		1.0	
8718140	3-D ANIMATION TECH 4 3-D Animation Technology 4/Level 2	/Y	PA		1.0	
8718150	3-D ANIMATION TECH 5 3-D Animation Technology 5/Level 2	/Y	PA		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
8718160	3-D ANIMATION TECH 6 3-D Animation Technology 6/Level 2	/Y	PA		1.0	
8718170	3-D ANIMATION TECH 7 3-D Animation Technology 7/Level 2	/Y	PA		1.0	
I480200	3-D ANIMATION TECH 3-D Animation Technology	30, 31 /				COMM ART @7 7 G COMPU SCI 6 TEC ELEC \$7 G BUS ED 1 @2 TV PRO TEC @7 7 G ELECT DP @7 %G
DIG0060	3-D ANI PROD ASST 3-D Animation Production Assistant	/Y	PA		1.0	
DIG0061	MODELER Modeler	/Y	PA		2.0	
DIG0062	TEXTURE ARTIST/RIG Texture Artist/Rigger	/Y	PA		2.0	
DIG0063	ANI/MOTION CAP TECH Animation/Motion Capture Technician	/Y	PA		2.0	
JOURNALISM & BROADCASTING CAREER PATH (ARPB)						
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^8771100	JOURNALISM Journalism	9-12, 30, 31 /				CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
1006300	JOURNALISM 1 Journalism 1/Level 2	/Y	PA		1.0	
8771110	INDUS COMM Industrial Communications/Level 2	/Y	PA		1.0	
8209510	DIGITAL DESIGN 1 Digital Design 1/Level 2	/Y	PA		1.0	
8207110	WEB DESIGN 1 Web Design 1/Level 2	/Y	PA		1.0	
9001110	FOUND OF WEB DESIGN Foundations of Web Design/Level 3	/Y	PA		1.0	
8772100	TV PRODUCTION Television Production	9-12, 30, 31 /				TEC ED 1 @2 TV PRO TEC @7 7 G TEC ELEC ¶7 ¶G
8772110	TV PRODUCTION 1 Television Production 1/Level 2	/Y	PA		1.0	
8772120	TV PRODUCTION 2 Television Production 2/Level 2	/Y	PA		1.0	
8772130	TV PRODUCTION 3 Television Production 3/Level 3	/Y	VO		1.0	
8772140	TV PRODUCTION 4 Television Production 4/Level 3	/Y	VO		1.0	
8772150	TV PRODUCTION 5 Television Production 5/Level 3	/Y	PA		1.0	
8772160	TV PRODUCTION 6 Television Production 6/Level 3	/Y	PA		1.0	
8772170	TV PRODUCTION 7 Television Production 7/Level 3	/Y	PA		1.0	
8772180	TV PRODUCTION 8 Television Production 8/Level 3	/Y	PA		1.0	
8772190	TV PRODUCTION 9 Television Production 9/Level 3	/Y	PA		1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
8772191	TV PRODUCTION 10 Television Production 10/Level 3		/Y	VO	1.0	
8772192	TV PRODUCTION 11 Television Production 11/Level 3		/Y	VO	1.0	
I100104	TV PRODUCTION Television Production	30, 31	/			TEC ELEC @7 7 G TV PRO TEC @7 7 G TEC ED 1 @2
RTT0514	STUDIO ASST Studio Assistant		/Y	PA	3.0	
RTT0516	STUDIO TECH Studio Technician		/Y	VO	3.0	
RTT0518	STUDIO TECH/EDIT AS Studio Technician/Edit Assistant		/Y	PA	3.0	
RTT0520	TV PROD/EDIT TECH Television Production/Edit Technician		/Y	VO	2.0	
----- PRINTING TECHNOLOGY CAREER PATH (ARPD) -----						
I480205	DIGITAL PRINT TECH Digital Printing Technology	30, 31	/			PRINTING @7 7 G
GRA0020	DIG PUBLISH ASST 1 Digital Publishing Assistant 1		/Y	VO	1.5	
GRA0021	DIG PUBLISH ASST 2 Digital Publishing Assistant 2		/Y	VO	1.5	
GRA0022	DESKTOP PUB SPEC 1 Desktop Publishing Specialist 1		/Y	VO	1.5	
GRA0023	DESKTOP PUB SPEC 2 Desktop Publishing Specialist 2		/Y	VO	1.5	
8739000	PRINT & GRAPHIC COMM Printing and Graphic Communications	9- 12, 30, 31	/			PRINTING @7 7 G
8739010	PRINT & GRAPHS COMM1 Printing and Graphic Communications 1/Level 2		/Y	PA	1.0	
8739020	PRINT & GRAPHS COMM2 Printing and Graphic Communications 2/Level 2		/Y	PA	1.0	
8739030	PRINT & GRAPHS COMM3 Printing and Graphic Communications 3/Level 2		/Y	PA	1.0	
8739040	PRINT & GRAPHS COMM4 Printing and Graphic Communications 4/Level 3		/Y	PA	1.0	
8739050	PRINT & GRAPHS COMM5 Printing and Graphic Communications 5/Level 3		/Y	PA	1.0	
8739060	PRINT & GRAPHS COMM6 Printing and Graphic Communications 6/Level 3		/Y	PA	1.0	
8739070	PRINT & GRAPHS COMM7 Printing and Graphic Communications 7/Level 3		/Y	PA	1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
8739080	PRINT & GRAPHS COMM8 Printing and Graphic Communications 8/Level 3	/Y	PA	1.0		
8739090	PRINT & GRAPHS COMM9 Printing and Graphic Communications 9/Level 3	/Y	VO	1.0		
8739091	PRINT & GRAPHS COMM10 Printing and Graphic Communications 10/Level 3	/Y	VO	1.0		
8739092	PRINT & GRAPHS COMM11 Printing and Graphic Communications 11/Level 3	/Y	VO	1.0		
8739093	PRINT & GRAPHS COMM12 Printing and Graphic Communications 12/Level 3	/Y	VO	1.0		
I480201	PRINT & GRAPHS COMM Printing and Graphic Communications	30, 31	/		PRINTING	@7 7 G
GRA0012	COPY CENTER TECH Copy Center Technician	/Y	PA	3.0		
GRA0013	PROCESS CAMERA OP Process Camera Operator	/Y	PA	2.0		
GRA0014	LAYOUT DSN/PLANNER Layout Design/Planner	/Y	PA	3.0		
GRA0015	DUPPLICATOR OPERATOR Duplicator Operator	/Y	VO	3.0		
GRA0016	GEN BINDERY WORKER General Bindery Worker	/Y	VO	1.0		
TELECOMMUNICATIONS CAREER PATH (ARPE)						
8730200	TELECOM TECH Telecommunications Technology	9- 12, 30, 31 /			COMP SVC BUS MACH TELCOM	7 G 7 G 7 G
8730210	TELECOM TECH 1 Telecommunications Technology 1/ Level 2	/Y	VO	1.0		
8730220	TELECOM TECH 2 Telecommunications Technology 2/ Level 2	/Y	VO	1.0		
8730230	TELECOM TECH 3 Telecommunications Technology 3/ Level 2	/Y	VO	1.0		
8730240	TELECOM TECH 4 Telecommunications Technology 4/ Level 2	/Y	VO	1.0		
I470301	TELECOMM TECHNOLOGY Telecommunications Technology	30, 31	/		COMP SVC BUS MACH TELCOM	7 G 7 G 7 G
EER0051	TELECOMM INSTALL Telecommunications Installer	/Y	VO	1.0		



## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
EER0052	TELECOMM INST & REP Telecommunications Installation and Repair Specialist	/Y	VO		1.0	
EER0055	TELECOMM TECH Telecommunications Technician	/Y	VO		2.0	
I470305	WI RELESS TELE Wireless Telecommunications	30, 31	/			TELCOM 7 G
CTS0004	CPT SUPPORT TECH Computer Support Technician	/Y	VO		1.0	
EEV0505	CPT SUPPORT SPEC Computer Support Specialist	/Y	VO		2.0	
CTS0006	NETWORK SYSTEMS TECH Network Systems Technician	/Y	VO		1.0	
CTS0007	NETWORK SPECIALIST Network Specialist	/Y	VO		2.0	
CTS0008	NETWORK ADMIN Network Administrator	/Y	VO		2.0	
CTS0009	WI RELESS TELE ADM Wireless Telecommunications Administrator	/Y	VO		2.0	

## VISUAL ARTS CAREER PATH (ARPF)

8718000	COMMERCIAL ART TECH Commercial Art Technology	9- 12, 30, 31	/			COMM ART @7 7 G
8718010	CMCL ART TECH 1 Commercial Art Technology 1/Level 2	/Y	PA		1.0	
8718020	CMCL ART TECH 2 Commercial Art Technology 2/Level 2	/Y	PA		1.0	
8718030	CMCL ART TECH 3 Commercial Art Technology 3/Level 2	/Y	PA		1.0	
8718040	CMCL ART TECH 4 Commercial Art Technology 4/Level 2	/Y	PA		1.0	
8718050	CMCL ART TECH 5 Commercial Art Technology 5/Level 2	/Y	PA		1.0	
8718060	CMCL ART TECH 6 Commercial Art Technology 6/Level 2	/Y	PA		1.0	
8718070	CMCL ART TECH 7 Commercial Art Technology 7/Level 2	/Y	PA		1.0	
8718080	CMCL ART TECH 8 Commercial Art Technology 8/Level 2	/Y	PA		1.0	
8718090	CMCL ART TECH 9 Commercial Art Technology 9/Level 2	/Y	PA		1.0	
8718091	CMCL ART TECH 10 Commercial Art Technology 10/Level 2	/Y	PA		1.0	
I480203	COMMERCIAL ART TECH Commercial Art Technology	30, 31	/			COMM ART @7 7 G
GRA0036	DESKTOP PUB ASST Desktop Publishing Assistant	/Y	PA		3.0	
GRA0037	DESIGN TECH Design Technician	/Y	PA		3.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
GRA0038	ILLUSTRATOR Illustrator	/Y	PA		2.0	
GRA0039	PRINT MEDIA ARTIST Print Media Artist	/Y	PA		2.0	
K600100	CMCL ART TECH 1 Commercial Art Technology 1	30, 31	/			COMM ART @7 7 G
GRA0036	DESKTOP PUB ASST Desktop Publishing Assistant	/Y	PA		3.0	
GRA0037	DESIGN TECH Design Technician	/Y	PA		3.0	
K600200	CMCL ART TECH 2 Commercial Art Technology 2	30, 31	/			COMM ART @7 7 G
GRA0038	ILLUSTRATOR Illustrator	/Y	PA		2.0	
GRA0039	PRINT MEDIA ARTIST Print Media Artist	/Y	PA		2.0	
8772000	CMCL PHOTO TECH Commercial Photography Technology	9- 12, 30, 31	/			PHOTOG @7 7 G
8772010	CMCL PHOTO TECH 1 Commercial Photography Technology 1 /Level 2	/Y	PA		1.0	
8772020	CMCL PHOTO TECH 2 Commercial Photography Technology 2 /Level 2	/Y	PA		1.0	
8772030	CMCL PHOTO TECH 3 Commercial Photography Technology 3 /Level 2	/Y	PA		1.0	
8772040	CMCL PHOTO TECH 4 Commercial Photography Technology 4 /Level 2	/Y	PA		1.0	
8772050	CMCL PHOTO TECH 5 Commercial Photography Technology 5 /Level 2	/Y	PA		1.0	
8772060	CMCL PHOTO TECH 6 Commercial Photography Technology 6 /Level 2	/Y	PA		1.0	
8772070	CMCL PHOTO TECH 7 Commercial Photography Technology 7 /Level 2	/Y	PA		1.0	
8772080	CMCL PHOTO TECH 8 Commercial Photography Technology 8 /Level 2	/Y	PA		1.0	
8772090	CMCL PHOTO TECH 9 Commercial Photography Technology 9 /Level 2	/Y	PA		1.0	
8772091	CMCL PHOTO TECH 10 Commercial Photography Technology 10/Level 2	/Y	PA		1.0	
8772092	CMCL PHOTO TECH 11 Commercial Photography Technology 11/Level 2	/Y	PA		1.0	

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			REQUIREMENTS	GRADUATION		
I480204	CMCL PHOTO TECH Commercial Photography Technology	30, 31	/			PHOTOG @7 7 G
PGY0180	PHOTO IMAGING SPEC 1 Photographic Imaging Specialist 1		/Y	PA	2.0	
PGY0181	PHOTO IMAGING SPEC 2 Photographic Imaging Specialist 2		/Y	PA	2.0	
PGY0182	PHOTO SPEC/LAB TECH Photography Specialist/Lab Technician		/Y	PA	1.0	
PGY0183	PORTRAIT PHOTO 1 Portrait Photographer 1		/Y	PA	1.5	
PGY0184	PORTRAIT PHOTO 2 Portrait Photographer 2		/Y	PA	1.5	
PGY0185	COMM PHOTOGRAPHER Commercial Photographer		/Y	PA	3.0	
K610100	CMCL PHOTO TECH 1 Commercial Photography Technology 1	30, 31	/			PHOTOG @7 7 G
PGY0180	PHOTO IMAGING SPEC 1 Photographic Imaging Specialist 1		/Y	PA	2.0	
PGY0181	PHOTO IMAGING SPEC 2 Photographic Imaging Specialist 2		/Y	PA	2.0	
PGY0182	PHOTO SPEC/LAB TECH Photography Specialist/Lab Technician		/Y	PA	1.0	
K610200	CMCL PHOTO TECH 2 Commercial Photography Technology 2	30, 31	/			PHOTOG @7 7 G
PGY0183	PORTRAIT PHOTO 1 Portrait Photographer 1		/Y	PA	1.5	
PGY0184	PORTRAIT PHOTO 2 Portrait Photographer 2		/Y	PA	1.5	
PGY0185	COMM PHOTOGRAPHER Commercial Photographer		/Y	PA	3.0	
8209600	DIGITAL DESIGN Digital Design	9- 12, 30, 31	/			BUS ED 1 @2 BUS DP @7 %G CLERICAL @7 7 G STENOG @4 @7 COMPU SCI 6 @2 PRINTING @7 7 G TEC ED 1 @2 VOE @7 ELECT DP @7 %G SECRETAR 7 G TEC ELEC \$7 G COMM ART @7 7 G TC COOP ED @7
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2		/S	VO	0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2		/S	VO	0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2		/Y	PA	1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2		/Y	PA	1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8209510	DIGITAL DESIGN 1 Di gital Desi gn 1/Level 2	/Y	PA	1.0	
8209520	DIGITAL DESIGN 2 Di gital Desi gn 2/Level 3	/Y	PA	1.0	
8209530	DIGITAL DESIGN 3 Di gital Desi gn 3/Level 3	/Y	PA	1.0	
8209540	DIGITAL DESIGN 4 Di gital Desi gn 4/Level 3	/Y	PA	1.0	
8209550	DIGITAL DESIGN 5 Di gital Desi gn 5/Level 3	/Y	PA	1.0	
8209560	DIGITAL DESIGN 6 Di gital Desi gn 6/Level 3	/Y	PA	1.0	
8209570	DIGITAL DESIGN 7 Di gital Desi gn 7/Level 3	/Y	PA	1.0	
B070600	DIGITAL DESIGN Di gital Desi gn	30, 31 /			BUS ED 1 @2 BUS DP @7 %7 %G CLERICAL @7 7 G STENO G @4 @7 PRINTING @7 7 G TC COOP ED @7 TEC ED 1 @2 VOE @7 ELECT DP @7 %G SECRETAR 7 G TEC ELEC \$7 G COMM ART @7 7 G COMPU SCI 6 @2
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
GRA0024	PRODUCTION ASST Production Assistant	/Y	PA	1.0	
GRA0025	DIGITAL ASST DSN Di gital Assi stant Desi gner	/Y	PA	2.0	
GRA0026	GRAPHIC DESIGNER Graphi c Desi gner	/Y	PA	2.0	
GRA0027	MEDIA DESIGNER Media Desi gner	/Y	PA	2.0	
K700100	DIGITAL DESIGN 1 Di gital Desi gn 1	30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G SECRETAR 7 G TEC ELEC \$7 G COMM ART @7 7 G VOE @7 BUS DP @7 %G CLERICAL @7 7 G STENO G @4 @7 PRINTING @7 7 G COMPU SCI 6 @2
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
GRA0024	PRODUCTION ASST Production Assistant	/Y	PA	1.0	
GRA0025	DIGITAL ASST DSN Di gital Assi stant Desi gner	/Y	PA	2.0	
K700200	DIGITAL DESIGN 2 Di gital Desi gn 2	30, 31 /			BUS ED 1 @2 BUS DP @7 %7 %G CLERICAL @7 7 G STENO G @4 @7 COMPU SCI 6 @2 PRINTING @7 7 G VOE @7 ELECT DP @7 %G SECRETAR 7 G TEC ELEC \$7 G COMM ART @7 7 G TC COOP ED @7
GRA0026	GRAPHIC DESIGNER Graphi c Desi gner	/Y	PA	2.0	

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GRA0027	MEDIA DESIGNER Media Designer	/Y	PA	2.0	
8506400	FASH TECH & DSN SERS Fashion Technology and Design Services	9- 12, 30, 31 /			HME EC OCC c7 FAM CON SC 1 APPRL MFG c7 @7 G FASH TECH 7 G HOMEMAKING c2 c7 TEC ED 1 @2 TAILORING c7
8506405	DES SERS CORE Design Services Core/Level 2	/Y	PA	1.0	
8506410	PRIN OF FASH DSN SER Principles of Fashion Design Services /Level 2	/Y	PA	1.0	
8506420	PATTERN DSN TECNQS Pattern Design Techniques/Level 2	/Y	PA	1.0	
8506430	FASH DSN SPEC Fashion Design Specialist/Level 3	/Y	PA	1.0	
V200400	FASH TECH & DSN SERS Fashion Technology and Design Services	30, 31 /			FAM CON SC 1 HOMEMAKING c7 @2 TEC ED 1 @2 c7 HME EC OCC c7 APPRL MFG @7 7 G FASH TECH 7 G
HEV0010	RETAIL SALES Retail Sales	/Y	PA	1.0	
HEV0011	TAILOR, DRESSMKR Tailor, Dressmaker, Custom Sewer	/Y	PA	1.0	
HEV0012	FAB & APPAREL PAT Fabric and Apparel Patternmakers	/Y	PA	1.0	
HEV0013	FASHION COOR/STYLIST Fashion Coordinator/Stylist	/Y	PA	1.0	
K500100	FASHION TECH/PROD Fashion Technology and Production Services	30, 31 /			TAILORING 7 G APPRL MFG @7 7 G TEC ED 1 @2 FAM CON SC 1
CTE0000	GARMENT FAB SPEC Garment Fabrication Specialist	/Y	VO	1.0	
CTE0001	IND SEAMSTRESS Industrial Seamstress	/Y	VO	1.0	
CTE0002	INTRO PATTERNMAKING Introduction to Patternmaking and Entrepreneurship	/Y	VO	1.0	
CTE0003	ALTERATIONS SPEC Alterations Specialist	/Y	VO	2.0	
CTE0004	TAILOR FOR MENSWEAR Tailor for Menswear	/Y	VO	2.0	
CTE0005	FORMALWEAR SPEC Formalwear Specialist	/Y	VO	2.0	
CTE0006	COSTUME SPECIALIST Costume Specialist	/Y	VO	2.0	
CTE0007	ACCESSORIES SPEC Accessories Specialist	/Y	VO	2.0	
CTE0008	INTIMATE APPAREL SP Intimate Apparel Specialist	/Y	VO	2.0	
CTE0010	EMBROIDERER Embroiderer	/Y	VO	2.0	
CTE0011	EMBROIDERY DIGITIZER Embroidery Digitizer	/Y	VO	2.0	

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CTE0012	CAD PATTERNMAKER I CAD Patternmaker I	/Y	VO	2.0	
CTE0013	CAD PATTERNMAKER II CAD Patternmaker II	/Y	VO	2.0	
<sup>a</sup> V200505	<sup>a</sup> INTERIOR DECOR FAB Interior Decor Fabrication	30, 31	/		INT DEC 7 G HME EC OCC c7 @7 G FAM CON SC 1 HOMEMAKING c7 @2 @7 G
HEV0420	SEW MACH OP, NONGARM Sewing Machine Operator, Nongarment	/Y	VO	3.0	
HEV0450	DRAPERÝ OPERATOR Drapery Operator	/Y	VO	1.0	
HEV0451	DRAPERÝ SUPR Drapery Supervisor	/Y	PA	3.0	
V200600	INT DECORATING SERS Interior Decorating Services	30, 31	/		HOMEMAKING c7 @2 @7 G FAM CON SC 1 HME EC OCC c7 @7 G INT DEC 7 G
HEV0412	SALES/COLOR CONSULT Sales/Color Consultant	/Y	VO	1.0	
HEV0452	FURN ARR/SPACE PLAN Furniture Arranger/Space Planner	/Y	VO	2.0	
HEV0453	MERCH STYL/VIS DISP Merchandise Stylist/Visual Displayer	/Y	VO	2.0	
HEV0413	INT DEC/INT DEC CONS Interior Decorator/Interior Decorating Consultant	/Y	VO	1.0	
8506500	INT DESIGN SERS Interior Design Services	9-12, 30, 31	/		HME EC OCC c7 FAM CON SC 1 INT DES 7 G TAILORING c7 HOMEMAKING @2 c7 APPRL MFG c7 @7 G TEC ED 1 @2
8506405	DES SERS CORE Design Services Core/Level 2	/Y	PA	1.0	
8506540	PRIN OF INT DSN SERS Principles of Interior Design Services/Level 2	/Y	PA	1.0	
8506550	INT DSN TECNQS Interior Design Techniques/Level 2	/Y	PA	1.0	
8506560	INT DSN SPEC Interior Design Specialist/Level 3	/Y	PA	1.0	
<sup>a</sup> V200700	<sup>a</sup> SEW TEC & SERS Sewing Technology and Services	30, 31	/		TAILORING 7 G HME EC OCC c7 %7 %G FAM CON SC 1 TEC ED 1 @2 APPRL MFG c7 @7 G HOMEMAKING c7 @2 @7 G
HEV0203	SEAMSTRESS Seamstress	/Y	VO	1.0	
HEV0240	POWER MACHINE OP Power Machine Operator	/Y	VO	0.0	
HEV0211	ALTERATIONIST Alterationist	/Y	VO	1.0	
HEV0212	CONSTRUCTION SPEC Construction Specialist	/Y	VO	1.0	
HEV0217	ALTERATIONIST/FINE Alterationist for Fine Clothing	/Y	VO	1.0	
HEV0232	CUSTOM TAILOR/PAT MK Custom Tailor/Patternmaker	/Y	VO	1.0	

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GENERAL PROGRAMS					
8200430	ARTS, A/V OJT Arts, A/V Technology and Communication Cooperative Education - OJT	9-12, 30, 31 /M	VO MULTIPLE MKTG	1	ANY FIELD/BACHELORS OR HIGHER CERT/TC WK EXP E G ANY VOC FIELD OR COVERAGE/TC COOP ED E G COOR WK EX @7
K609999	ARTS, A/V - OJT Arts, A/V Technology and Communication Cooperative Education - OJT	30, 31 /			MKTG 1 ANY FIELD/BACHELORS OR HIGHER CERT/TC WK EXP E G ANY VOC FIELD OR COVERAGE/TC COOP ED E G COOR WK EX @7
8200400	ARTS, A/V DIR STUDY Arts, A/V Technology and Communication DS	1112, 30, 31 /M	VO MULTIPLE		ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8209100	CAR IN FASH & INT Careers in Fashion and Interior Design	6-8 /S			FAM CON SC 1
8209200	CAR IN FASH & INT CP Careers in Fashion and Interior Design and Career Planning	6-8 /S			FAM CON SC 1
8500380	FABR CONSTRUCTION Fabric Construction/Level 2	9-12, 30, 31 /S	PA	0.5	FAM CON SC 1
8260300	FUND OF A/V, PRINT TE Fundamentals of A/V and Print Technology	6-8 /S	VO		PRINTING @7 7 G TEC ED 1 @2 TV PRO TEC @7 7 G BUS ED 1 @2
8260400	FUND OF TELECOMM Fundamentals of Telecommunications	6-8 /S	VO		ELECTRONIC @7 7 G COMP SVC 7 G ELECTRICAL @7 7 G TELCOM 7 G BUS MACH 7 G TV PRO TEC @7 7 G BUS ED 1 @2 VOE @7
8260500	FUND OF VIS & PA Fundamentals of Visual and Performing Arts	6-8 /S	VO		MKTG 1 BUS DP @7 %7 %G ELECT DP @7 %7 %G CLERICAL @7 7 G SECRETAR 7 G STENOGRAPH @4 TEC ELEC @7 7 G COMPU SCI 6 @2 COMM ART @7 7 G JOURNALISM 1 GRAPH ARTS 4 PRINTING @7 7 G MG ENG C TEC ED 1 @2 TV PRO TEC \$7 PHOTOG @7 7 G
8209350	INTRO ARTS, A/V Introduction to Arts, A/V Technology and Communication	6-8 /S	VO MULTIPLE		BUS ED 1 @2 VOE @7 MKTG 1 SECRETAR 7 G COMPU SCI 6 @2 COMM ART @7 7 G PRINTING @7 7 G TV PRO TEC @7 7 G TEC ED 1 @2 TC COOP ED @7
8209360	INTRO ARTS, A/V & CP Introduction to Arts, A/V Technology and Communication/Career Planning	6-8 /S	VO MULTIPLE		BUS ED 1 @2 VOE @7 MKTG 1 SECRETAR 7 G COMPU SCI 6 @2 COMM ART @7 7 G PRINTING @7 7 G TV PRO TEC @7 7 G TC COOP ED @7 TEC ED 1 @2

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
APPRENTICESHIP PROGRAMS					
I47034R	TELECOM TECH - APPR Telecommunications Technology - Apprenticeship	30, 31 /			
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BUSINESS MANAGEMENT & ADMINISTRATIVE CAREER CLUSTER					
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MANAGEMENT CAREER PATH (BAPA)					
8301100	BUS MGMT & ANALYSIS Business Management and Analysis	9-12, 30, 31 /			BUS ED 1 @2 ACTING @7 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE MANAG SUPV 7 G
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
8215120	BUS & ENTREP PRIN Business and Entrepreneurship Principles/Level 3	/Y	VO	1.0	
8203310	ACCT APPL 1 Accounting Applications 1/Level 3	/Y	VO	1.0	
8301110	MGMT & HUMAN RESOURC Management and Human Resources/ Level 3	/Y	VO	1.0	
8301120	BUSINESS ANALYSIS Business Analysis/ Level 3	/Y	VO	1.0	
8215130	LEG ASPECTS OF BUS Legal Aspects of Business/Level 3	/Y	VO	1.0	
B060200	BUS MGMT & ANALYSIS Business Management and Analysis	30, 31 /			BUS ED 1 @2 VOE @7 MANAG SUPV 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE TC COOP ED @7 BOOKKEEPIN @4 @7 G ACTING @7 7 G
0TA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	



## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
MNA0080	SUPR/MANAGER TRAINEE Supervisor/Manager Trainee	/Y	VO	2.0	
MNA0082	SUPERVISOR Supervisor	/Y	VO	3.0	
<sup>a</sup> 8215200	<sup>a</sup> BUSINESS SUPV & MGMT Business Supervision and Management	9- 12, 30, 31 /			BUS ED 1 @2 VOE @7 MANAG SUPV 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE TC COOP ED @7 BOOKKEEPIN @4 @7 G
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
8215120	BUS & ENTREP PRIN Business and Entrepreneurship Principles/Level 3	/Y	VO	1.0	
8215130	LEG ASPECTS OF BUS Legal Aspects of Business/Level 3	/Y	VO	1.0	
8215140	BUS SUPV 1 Business Supervision 1/Level 2	/Y	VO	1.0	
8215150	BUS SUPV 2 Business Supervision 2/Level 2	/Y	VO	1.0	
8215160	BUS SUPV 3 Business Supervision 3/Level 2	/Y	VO	1.0	
8217100	PROMOTIONAL ENT Promotional Enterprise	9- 12, 30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G SECRETAR 7 G TEC ELEC \$7 G COMM ART @7 7 G VOE @7 BUS DP @7 %G CLERICAL @7 7 G STENOGRAPH @4 @7 COMPU SCI 6
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
8217110	CUS PROMO LAYOUT DSN Custom Promotional Layout Design/ Level 2	/Y	PA	1.0	
8217120	PROMO DSN MGMT Promotional Design Management/Level 2	/Y	VO	1.0	
8217130	CUS PROMO S&D MGMT Custom Promotional Sales and Distribution Management/Level 2	/Y	PA	1.0	
8217140	PROMO BUS MGMT&SUPV1 Promotional Business Management and Supervision 1/Level 2	/Y	VO	1.0	
8217150	PROMO BUS MGMT&SUPV2 Promotional Business Management and Supervision 2/Level 2	/Y	VO	1.0	
8217160	LEG ASP OF PROMO IND Legal Aspects of Promotional Industry Ownership/Level 2	/Y	VO	1.0	
B017100	PROMOTIONAL ENT Promotional Enterprise	30, 31	/		BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G SECRETAR 7 G TEC ELEC \$7 G COMM ART @7 7 G VOE @7 BUS DP @7 %G CLERICAL @7 7 G STENOG @4 @7 COMPU SCI 6
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
GRA0079	CUS PROMO DSN MGR Custom Promotional Design Manager	/Y	PA	2.0	
MNA0081	FIRST LINE SUPR First Line Supervisor	/Y	PA	1.0	
SBM0200	SMALL BUSINESS MGR Small Business Manager	/Y	VO	2.0	
MNA0090	GEN OPS MGR/OWNER General Operations Manager/Owner	/Y	VO	1.0	
BUSINESS FINANCIAL MANAGEMENT CAREER PATH (BAPB)					
8302100	ACCOUNTING APPS Accounting Applications	9- 12, 30, 31 /			BUS ED 1 @2 VOE @7 BOOKKEEPIN @4 @7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE TC COOP ED @7 ACCTING @7 7 G
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO		0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA		1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>®</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>®</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
8203310	ACCT APPL 1 Accounting Applications 1/Level 3	/Y	VO		1.0	
8203320	ACCT APPL 2 Accounting Applications 2/Level 3	/Y	VO		1.0	
8203330	ACCT APPL 3 Accounting Applications 3/Level 3	/Y	VO		1.0	
<sup>a</sup> 8203400	<sup>a</sup> ACCT OPS Accounting Operations	9- 12, 30, 31 /				BUS ED 1 @2 TC COOP ED @7 VOE @7 ACCTING @7 7 G BOOKKEEPIN @4 @7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO		0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO		0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA		1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>®</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>®</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
8203310	ACCT APPL 1 Accounting Applications 1/Level 3	/Y	VO		1.0	
8203320	ACCT APPL 2 Accounting Applications 2/Level 3	/Y	VO		1.0	
8203330	ACCT APPL 3 Accounting Applications 3/Level 3	/Y	VO		1.0	
8203340	ACCT APPL 4 Accounting Applications 4/Level 3	/Y	VO		1.0	
8203350	ACCT APPL 5 Accounting Applications 5/Level 3	/Y	VO		1.0	
B070110	ACCT OPS Accounting Operations	30, 31 /				BUS ED 1 @2 TC COOP ED @7 VOE @7 ACCTING @7 7 G BOOKKEEPIN @4 @7 G
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA		1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
AC00040	ACCOUNTING CLERK Accounting Clerk	/Y	VO		2.0	
AC00041	ACCOUNTING ASSC Accounting Associate	/Y	VO		2.0	
AC00042	ACCOUNTING ASST Accounting Assistant	/Y	VO		1.0	
----- BUSINESS ANALYSIS CAREER PATH (BAPD) -----						
8216100	INTL BUSINESS International Business	9- 12, 30, 31 /				
					BUS ED 1 @2 VOE @7 BOOKKEEPIN @4 @7 G	TC COOP ED @7 MANAG SUPV 7 G
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO		0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO		0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA		1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
8203310	ACCT APPL 1 Accounting Applications 1/Level 3	/Y	VO		1.0	
8216110	INTL BUS SYSS International Business Systems/Level 2	/Y	VO		1.0	
8216120	INTL FIN & LAW International Finance and Law/Level 3	/Y	VO		1.0	
8216130	BUSINESS INTERNSHIP Business Internship/Level 2	/Y	VO		1.0	
B060901	INTL BUSINESS International Business	30, 31 /				
					BUS ED 1 @2 VOE @7 BOOKKEEPIN @4 @7 G	TC COOP ED @7 MANAG SUPV 7 G
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA		1.0	
MNA0000	MANAGER TRAINEE 1 Manager Trainee 1	/Y	VO		2.0	
MNA0001	MANAGER TRAINEE 2 Manager Trainee 2	/Y	VO		2.0	

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MARKETING & COMMUNICATIONS CAREER PATH (BAPE)  
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8200300	ELEC BUSINESS ENTERP Electronic Business Enterprise	9- 12, 30, 31 /				
					BUS ED 1 @2 ELECT DP @7 %G	BUS DP @7

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>®</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>®</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
8200340	INTRO TO E-COMMERCE Introduction to E-Commerce/Level 2	/Y	PA		1.0	
8200350	E-COMMERCE ENTREP E-Commerce Entrepreneurship/Level 2	/Y	VO		1.0	
8200360	E-COM SYS ANL & DSN E-Commerce Systems Analysis and Design/Level 2	/Y	VO		1.0	
B070100	ELEC BUSINESS ENTERP Electronic Business Enterprise	30, 31	/			BUS ED 1 @2 ELECT DP @7 %G BUS DP @7
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA		1.0	
MNA0830	E-COMM CUST SER REP E-Commerce Customer Service Representative	/Y	PA		1.0	
MNA0831	E-COMMERCE ENTREP E-Commerce Entrepreneur	/Y	VO		1.0	
MNA0832	E-COMM WEB ASST E-Commerce Web Assistant	/Y	VO		1.0	

## ADMINISTRATIVE &amp; INFORMATION SUPPORT CAREER PATH (BAPF)

8212500	ADM OFFICE SPEC Administrative Office Specialist	9- 12, 30, 31 /				BUS ED 1 @2 VOE @7 SECRETAR 7 G STENOG @4 @7 TC COOP ED @7 CLERICAL @7 7 G MANAG SUPV 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO		0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO		0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA		1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>®</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>®</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
8212110	ADM OFFICE TECH 1 Administrative Office Technology 1/ Level 2	/Y	VO		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8212120	BUS SOFTWARE APPL 1 Business Software Applications 1/ Level 2	/Y	VO	1.0	
8209510	DIGITAL DESIGN 1 Digital Design 1/Level 2	/Y	PA	1.0	
8212410	ADM OFFICE TECH 2 Administrative Office Technology 2/ Level 2	/Y	VO	1.0	
8212420	ADM OFFICE TECH 3 Administrative Office Technology 3/ Level 2	/Y	VO	1.0	
8212160	BUS SOFTWARE APPL 2 Business Software Applications 2/ Level 2	/Y	VO	1.0	
B070330	ADM OFFICE SPEC Administrative Office Specialist	30, 31	/		BUS ED 1 @2 VOE @7 SECRETAR 7 G STENOG @4 @7 SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE ADMIN ASST 7 G TC COOP ED @7 CLERICAL @7 G MANAG SUPV 7 G
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
OTA0041	FRONT DESK SPEC Front Desk Specialist	/Y	VO	2.0	
OTA0030	ASST DIG PROD DSN Assistant Digital Production Designer	/Y	VO	1.0	
OTA0043	ADMIN OFFICE SPEC Administrative Office Specialist	/Y	VO	3.0	
<sup>a</sup> 8200200	<sup>a</sup> COURT RPT Court Reporting	9- 12, 30, 31	/		BUS ED 1 @2 VOE @7 STENOG @4 @7 TC COOP ED @7 SECRETAR 7 G
<sup>a</sup> 8209020	<sup>a</sup> CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
8200230	COURT RPT TECH 1 Court Reporting Technology 1/Level 2	/Y	VO	1.0	
8200240	COURT RPT TECH 2 Court Reporting Technology 2/Level 2	/Y	VO	1.0	
8200250	COURT RPT TECH 3 Court Reporting Technology 3/Level 2	/Y	VO	1.0	
8200260	COURT RPT TECH 4 Court Reporting Technology 4/Level 2	/Y	VO	1.0	
8200270	COURT RPT TECH 5 Court Reporting Technology 5/Level 2	/Y	VO	1.0	
8200280	COURT RPT TECH 6 Court Reporting Technology 6/Level 2	/Y	VO	1.0	
8200290	COURT RPT TECH 7 Court Reporting Technology 7/Level 2	/Y	VO	1.0	
8200291	COURT RPT TECH 8 Court Reporting Technology 8/Level 2	/Y	VO	1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
<sup>a</sup> B070602	<sup>a</sup> COURT RPT Court Reporting	30, 31 /		BUS ED VOE STENOG	1 @2 @7 @4 @7 TC COOP ED @7 SECRETAR 7 G
OTA0040	INFO TECH ASST Information Technoltogy Assistant	/Y	PA	1.0	
OTA0044	COURT REPORT TRAN I Court Reporting Transcrip ti on i st I	/Y	VO	1.0	
OTA0045	COURT REPORT TRAN II Court Reporting Transcrip ti on i st II	/Y	VO	2.0	
OTA0046	COURT REPORT TRAN III Court Reporting Transcrip ti on i st III	/Y	VO	1.0	
OTA0047	COURT REPORT SCOPIST Court Reporting Scopist	/Y	VO	4.0	
OTA0048	COURT RPT 1 Court Reporter 1	/Y	VO	2.5	
OTA0049	COURT RPT 2 Court Reporter 2	/Y	VO	2.5	
OTA0051	COURT RPT 3 Court Reporter 3	/Y	VO	2.5	
OTA0052	COURT RPT 4 Court Reporter 4	/Y	VO	2.5	
8306100	COURT RPT TRANSCRIP Court Reporting Transcrip ti on i st	9- 12, 30, 31 /		BUS ED VOE	1 @2 @7 TC COOP ED @7 SECRETAR 7 G
8306110	FUND OF COURT REPORT Fundamentals of Court Reporting/ Level 2 OR	/Y	VO	1.0	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
8200230	COURT RPT TECH 1 Court Reporting Technology 1/Level 2	/Y	VO	1.0	
8200240	COURT RPT TECH 2 Court Reporting Technology 2/Level 2	/Y	VO	1.0	
8200250	COURT RPT TECH 3 Court Reporting Technology 3/Level 2	/Y	VO	1.0	
8200260	COURT RPT TECH 4 Court Reporting Technology 4/Level 2	/Y	VO	1.0	
B600100	COURT RPT TRANSCRIP Court Reporting Transcrip ti on i st	30, 31 /		BUS ED VOE	1 @2 @7 TC COOP ED @7 SECRETAR 7 G
OTA0039	COURT REPORT FUND Court Reporting Fundamentals	/Y	VO	1.0	
OTA0044	COURT REPORT TRAN I Court Reporting Transcrip ti on i st I	/Y	VO	1.0	
OTA0045	COURT REPORT TRAN II Court Reporting Transcrip ti on i st II	/Y	VO	2.0	
OTA0046	COURT REPORT TRAN III Court Reporting Transcrip ti on i st III	/Y	VO	1.0	
<sup>a</sup> B700500	<sup>a</sup> COURT RPT 1 Court Reporting 1	30, 31 /		BUS ED VOE STENOG	1 @2 @7 @4 @7 TC COOP ED @7 SECRETAR 7 G
OTA0040	INFO TECH ASST Informati on Technolgy Assi stant	/Y	PA	1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION		
OTA0044	COURT REPORT TRAN I Court Reporting Transcriptionist I	/Y	VO	1.0			
OTA0045	COURT REPORT TRAN II Court Reporting Transcriptionist II	/Y	VO	2.0			
OTA0046	COURT REPORT TRAN III Court Reporting Transcriptionist III	/Y	VO	1.0			
B700600	COURT RPT 2 Court Reporting 2	30, 31	/		BUS ED VOE STENOG	1 @2 @7 @4 @7	TC COOP ED @7 SECRETAR 7 G
OTA0047	COURT REPORT SCOPIST Court Reporting Scopist	/Y	VO	4.0			
B700700	COURT RPT 3 Court Reporting 3	30, 31	/		BUS ED VOE STENOG	1 @2 @7 @4 @7	TC COOP ED @7 SECRETAR 7 G
OTA0048	COURT RPT 1 Court Reporter 1	/Y	VO	2.5			
OTA0049	COURT RPT 2 Court Reporter 2	/Y	VO	2.5			
OTA0051	COURT RPT 3 Court Reporter 3	/Y	VO	2.5			
OTA0052	COURT RPT 4 Court Reporter 4	/Y	VO	2.5			
8218100	CUST ASST TECH Customer Assistance Technology	9- 12, 30, 31	/		BUS ED TC COOP ED SECRETAR	1 @2 @7 7 G	VOE @7 CLERICAL @7 7 G
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5			
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5			
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0			
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0			
8218010	CUSTOMER ASSIST 1 Customer Assistance 1/Level 2	/Y	VO	1.0			
8218020	CUSTOMER ASSIST 2 Customer Assistance 2/Level 2	/Y	VO	1.0			
B079100	CUST ASST TECH Customer Assistance Technology	30, 31	/		BUS ED TC COOP ED SECRETAR	1 @2 @7 7 G	VOE @7 CLERICAL @7 7 G
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0			
MNA0083	CUST CARE REP Customer Care Representative	/Y	VO	1.0			



## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
MNA0086	CUST CARE SPEC Customer Care Specialist	/Y	VO	1.0	
8212000	LEG ADMN SPEC Legal Administrative Specialist	9- 12, 30, 31 /			BUS ED 1 @2 TC COOP ED @7 VOE @7 SECRETAR 7 G CLERICAL @7 7 G STENOG @4 @7 SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
8212110	ADM OFFICE TECH 1 Administrative Office Technology 1/ Level 2	/Y	VO	1.0	
8212120	BUS SOFTWARE APPL 1 Business Software Applications 1/ Level 2	/Y	VO	1.0	
8215130	LEG ASPECTS OF BUS Legal Aspects of Business/Level 3	/Y	VO	1.0	
8212230	LEGAL OFFICE TECH 1 Legal Office Technology 1/Level 2	/Y	VO	1.0	
8212240	LEGAL OFFICE TECH 2 Legal Office Technology 2/Level 2	/Y	VO	1.0	
8212250	LEGAL OFFICE TECH 3 Legal Office Technology 3/Level 2	/Y	VO	1.0	
B072000	LEG ADMN SPEC Legal Administrative Specialist	30, 31 /			BUS ED 1 @2 TC COOP ED @7 VOE @7 SECRETAR 7 G CLERICAL @7 7 G STENOG @4 @7 SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
OTA0041	FRONT DESK SPEC Front Desk Specialist	/Y	VO	2.0	
OTA0042	ADMIN SUPPORT Administrative Support	/Y	VO	1.0	
OTA0050	LEGAL ADMN SPEC Legal Administrative Specialist	/Y	VO	3.0	
8212300	MED ADM SPEC Medical Administrative Specialist	9- 12, 30, 31 /			BUS ED 1 @2 VOE @7 TC COOP ED @7 STENOG @4 @7 SECRETAR 7 G CLERICAL @7 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
8212110	ADM OFFICE TECH 1 Administrative Office Technology 1/ Level 2	/Y	VO	1.0	
8212120	BUS SOFTWARE APPL 1 Business Software Applications 1/ Level 2	/Y	VO	1.0	
8212201	MED OFF TECH 1 Medical Office Technology 1/Level 2	/Y	VO	1.0	
8212202	MED OFF TECH 2 Medical Office Technology 2/Level 2	/Y	VO	1.0	
8212203	MED OFF TECH 3 Medical Office Technology 3/Level 2	/Y	VO	1.0	
8212204	MED OFF INTERNSHIP Medical Office Internship/Level 2	/Y	VO	1.0	
B070300	MED ADM SPEC Medical Administrative Specialist	30, 31	/		BUS ED 1 @2 TC COOP ED @7 SECRETAR 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE ADMIN ASST 7 G VOE @7 STENOGRAPHIC @4 @7 CLERICAL @7 7 G
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
OTA0041	FRONT DESK SPEC Front Desk Specialist	/Y	VO	2.0	
OTA0631	MEDICAL OFFICE TECH Medical Office Technologist	/Y	VO	2.0	
OTA0651	MEDICAL ADMIN SPEC Medical Administrative Specialist	/Y	VO	2.0	

## SUPPLEMENTAL PROGRAMS

8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	9-12, 30, 31	/S	VO	0.5	BUS ED 1 @2 VOE @7 STENOGRAPHIC @4 @7	TC COOP ED @7 SECRETAR 7 G CLERICAL @7 7 G
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## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CAREER AND TECHNICAL EDUCATION	
					CERTIFICATION	
8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	9- 12, 30, 31 /S	VO	0.5	BUS ED 1 @2 BUS DP @7 %G ELECT DP @7 %G SECRETAR 7 G STENOGR @4 @7	VOE @7 BOOKKEEPIN @4 @7 G CLERICAL @7 7 G TEC ELEC @7 7 G TC COOP ED @7
8500375	BLUEPR PROF SUCCESS Blueprint for Professional Success/ Level 2	9- 12, 30, 31 /Y	VO	1.0	MKTG 1 @2 BUS ED 1 @2 PRAC NURSE @7 %G AGRI CULTUR 1 @2	AGRI @2 FAM CON SC 1 TEC ED 1 @2
8200420	BUSINESS COOP MGMT Business Cooperative Education Organization and Management	9- 12, 30, 31 /M	VO	MULTIPLE	BUS ED 1 @2 VOE @7 ANY BUSINESS ED/TC COOP ED E G	TC COOP ED @7
B079998	BUSINESS COOP MGMT Business Cooperative Education Organization and Management	30, 31 /M	VO		BUS ED 1 @2 VOE @7 ANY BUSINESS ED/TC COOP ED E G	TC COOP ED @7
8200410	BUSINESS COOP ED OJT Business Cooperative Education-OJT	9- 12, 30, 31 /M	VO	MULTIPLE	BUS ED 1 @2 VOE @7 ANY BUSINESS ED/TC COOP ED E G	TC COOP ED @7
B079999	BUSINESS COOP OJT Business Cooperative Education-OJT	30, 31 /	VO		ANY BUSINESS ED G BUS ED 1 @2 VOE @7 ANY BUSINESS ED/TC COOP ED E G	TC COOP ED @7 G
8200100	BUSINESS DIR STUDY Business Education Directed Study	11- 12, 30, 31/M	VO	MULTIPLE	ANY BUSINESS ED G BUS ED 1 @2	
8299990	BUSINESS ED TRAN Business Education Transfer	9- 12, 30, 31 /			NA	
B000000	BUSINESS ED TRAN Business Education Transfer	30, 31 /			NA	
8200110	BUSINESS KEYBD Business Keyboarding	6- 8 /S	VO		BUS ED 1 @2 TC COOP ED @7	VOE @7
8200130	BUS KEY & CAR PLAN Business Keyboarding and Career Planning	6- 8 /S	VO		BUS ED 1 @2 VOE @7	TC COOP ED @7
8200120	BUSINESS LEAD SKLS Business Leadership Skills	6- 8 /S	VO		BUS ED 1 @2 TC COOP ED @7	VOE @7
8200520	CPTR APPL BUS 1 Computer Applications in Business 1	6- 8 /S	VO		BUS ED 1 @2 TC COOP ED @7 TEC ED 1 @2	VOE @7 COMPU SCI 6
8200220	CPTR APPL BUS 1 & CP Computer Applications in Business 1 and Career Planning	6- 8 /S	VO		BUS ED 1 @2 TC COOP ED @7 TEC ED 1 @2	VOE @7 COMPU SCI 6
8200210	CPTR APPL BUSINESS 2 Computer Applications in Business 2	6- 8 /S	VO		BUS ED 1 @2 TC COOP ED @7	VOE @7 COMPU SCI 6
8200211	CPTR APPL BUSINESS 3 Computer Applications in Business 3	6- 8 /S	VO		BUS ED 1 @2 TC COOP ED @7 COMPU SCI 6 CLERICAL @7 7 G	VOE @7 SECRETAR 7 G STENOGR @4 @7
8200212	CPTR APPL BUSINESS 4 Computer Applications in Business 4	6- 8 /S	VO		BUS ED 1 @2 TC COOP ED @7 COMPU SCI 6 CLERICAL @7 7 G	VOE @7 SECRETAR 7 G STENOGR @4 @7

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT MEETING GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8207010	EMERG TECH BUSINESS Emerging Technology in Business/ Level 2	9-12, 30, 31 /Y	VO	1.0	BUS ED 1 @2 BUS DP @7 %G MANAG SUPV 7 G TC COOP ED @7 SECRETAR 7 G ACCTING @7 7 G BUS ED 1 @2 VOE @7 VOE @7 ELECT DP @7 %G BOOKKEEPIN @4 @7 G TEC ELEC @7 7 G CLERICAL @7 7 G COMPU SCI 6 TC COOP ED @7
8370350	INTRO BUSINESS Introduction to Business, Management and Administration	6-8 /S	VO	MULTIPLE	BUS ED 1 @2 VOE @7
8370360	INTRO BUSINESS & CP Introduction to Business, Management and Administration/Career Planning	6-8 /S	VO	MULTIPLE	BUS ED 1 @2 VOE @7 TC COOP ED @7

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EDUCATION & TRAINING CAREER CLUSTER

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PROFESSIONAL SUPPORT SERVICES CAREER PATH (EDPA)  
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<sup>a</sup> 8909000	<sup>a</sup> TEACHER ASSIST ①PRINC OF TEACHING <sup>a</sup> Teacher Assisting	9-12, 30, 31 /			ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8909010	①PRINCIPLES OF TEACHING <sup>a</sup> TCHR ASSIST 1 ①INTRO TEACH PROF <sup>a</sup> Teacher Assisting 1/Level 2 ①Introduction to the Teaching Profession	/Y	VO	1.0	
8909020	<sup>a</sup> TCHR ASSIST 2 ①HUMAN GROWTH/DEV <sup>a</sup> Teacher Assisting 2/Level 2 ①Human Growth and Development	/Y	VO	1.0	
8909030	<sup>a</sup> TCHR ASSIST 3 ①FOUND/CURR & INSTRUC <sup>a</sup> Teacher Assisting 3/Level 3 ①Foundations of Curriculum and Instruction/Level 3	/Y	VO	1.0	
8909040	<sup>a</sup> TCHR ASSIST 4 ①PRIN TEACHING INTERN <sup>a</sup> Teacher Assisting 4/Level 2 ①Principles of Teaching Internship	/Y	VO	1.0	
<sup>a</sup> P131299	<sup>a</sup> TCHR ASSIST ①PRIN OF TEACHING <sup>a</sup> Teacher Assisting ①Principles of Teaching	30, 31 /			ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
EDG0312	SUB TEACHER Substitute Teacher	/Y	VO	1.0	
EDG0317	TEACHER ASST Teacher Assisting	/Y	VO	3.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
TEACHING/TRAINING CAREER PATH (EDPC)					
V200206	CHILD CARE CTR OPS Child Care Center Operations	30, 31 /			HOMEMAKING c7 @2 %7 %G E CHILD ED @0 FAM CON SC 1 HME EC OCC c7 %7 %G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
HEV0160	CHILD CARE CTR DIR Child Care Center Director	/Y	VO	0.0	
<sup>a</sup> 8503210	<sup>a</sup> EARLY CHILD ED Early Childhood Education	9- 12, 30, 31 /			HOMEMAKING c7 @2 HME EC OCC c7 E CHILD ED @0 FAM CON SC 1
<sup>a</sup> 8503211	EARLY CHILD ED 1 Early Childhood Education 1/Level 2	/Y	VO	1.0	
<sup>a</sup> 8503212	EARLY CHILD ED 2 Early Childhood Education 2/Level 2	/Y	PA	1.0	
<sup>a</sup> 8503213	EARLY CHILD ED 3 Early Childhood Education 3/Level 2	/Y	PA	1.0	
<sup>a</sup> 8503214	EARLY CHILD ED 4 Early Childhood Education 4/Level 3	/Y	VO	1.0	
<sup>a</sup> V200210	<sup>a</sup> EARLY CHILD ED Early Childhood Education	30, 31 /			PRESCH ED A E CHILD ED @0 FAM CON SC 1 PRIMARY ED @B PK PRIMARY H CH CARE TR 7 G
<sup>a</sup> HEV0117	CHILD CARE WKR - PS Child Care Worker - Preschool	/Y	VO	0.5	
<sup>a</sup> HEV0101	CHILD CARE TEACH AID Child Care Teacher Aide	/Y	VO	0.5	
<sup>a</sup> HEV0156	PRESCHOOL TEACHER Preschool Teacher	/Y	PA	2.0	
<sup>a</sup> HEV0162	CHILD CARE DEV SPEC Child Care Development Specialist	/Y	VO	1.0	
8405100	EARLY CHILD ED NEW Early Childhood Education NEW	9- 12, 30, 31 /			PRIMARY ED @B PRESCH ED A HME EC OCC c7 FAM CON SC 1 HOMEMAKING @2 c7 E CHILD ED @0 PK PRIMARY H
8405110	EARLY CHILD 1 NEW Early Childhood Education 1/Level 2	/Y	VO	1.0	
8405120	EARLY CHILD 2 NEW Early Childhood Education 2/Level 2	/Y	VO	1.0	
8405130	EARLY CHILD 3 NEW Early Childhood Education 3/Level 3	/Y	PA	1.0	
8405140	EARLY CHILD 4 NEW Early Childhood Education 4/Level 3	/Y	VO	1.0	
E300100	EARLY CHILD ED NEW Early Childhood Education NEW	30, 31 /			PRIMARY ED @B PRESCH ED A FAM CON SC 1 SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE E CHILD ED @0 PK PRIMARY H CH CARE TR 7 G
HEV0870	CHILD CARE WKR 1 Child Care Worker 1	/Y	VO	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
HEV0871	CHILD CARE WKR 2 Child Care Worker 2	/Y	VO	1.0	
HEV0872	TEACHER AIDE (PRESC) Teacher Aide (Preschool)	/Y	PA	1.0	
HEV0873	PRESCHOOL TEACHER Preschool Teacher	/Y	VO	1.0	
V200410	FAM CHILD CARE TRAIN Family Child Care Training	30, 31	/		HOMEMAKING c7 @2 %7 %G HME EC OCC c7 %7 %G PK PRIMARY H FAM CON SC 1 PRESCH ED A PRIMARY ED @B E CHILD ED @O CH CARE TR 7 G
HEV0119	FAM CHILD CARE PROV Family Child Care Provider	/Y	VO	0.0	
V200310	SCH AGE CER TRAIN School Age Certification Training	30, 31	/		PRIMARY ED @B PRESCH ED A FAM CON SC 1 E CHILD ED @O PK PRIMARY H
HEV0112	CHILD CARE WKR - SA Child Care Worker - School Age	/Y	VO	0.0	
HEV0190	SCHOOL AGE CARE PROF School Age Care Professional	/Y	VO	0.5	
8500160	S SCH AGE CER TRAIN Secondary School Age Certification Training	9-12, 30, 31	/		PRIMARY ED @B PRESCH ED A FAM CON SC 1 E CHILD ED @O PK PRIMARY H
8500170	S SCH AGE CER TRAIN1 Secondary School Age Certification Training 1/Level 2	/Y	VO	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8500175	S SCH AGE CER TRAIN2 Secondary School Age Certification Training 2/Level 2	/Y	VO	1.0	
8500180	S SCH AGE CER TRAIN3 Secondary School Age Certification Training 3/Level 2	/Y	VO	1.0	
8500185	S SCH AGE CER TRAIN4 Secondary School Age Certification Training 4/Level 2	/Y	VO	1.0	
GENERAL PROGRAMS					
8500310	CHILD DEV Child Development/Level 2	9-12, 30, 31	/S	VO	0.5 E CHILD ED @O PRIMARY ED @B FAM CON SC 1 PRESCH ED A PK PRIMARY H
8500410	ED & TRAIN - OJT Education and Training Cooperative Education - OJT	9-12, 30, 31	/M	VO	MULTIPLE HOMEMAKING c7 @2 PK PRIMARY H PRIMARY ED @B FAM CON SC 1 HME EC OCC c7 PRESCH ED A E CHILD ED @O ANY HOME EC/TC COOP ED E G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
V209999	ED & TRAIN - OJT Education and Training Cooperative Education - OJT	30, 31 /			HME EC OCC c7 %7 %G PRESCH ED A PRIMARY ED @B FAM CON SC 1 SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8500100	ED & TRAINING DS Education and Training Directed Study	9-12, 30, 31 /M	VO MULTIPLE		ANY HOME ECONOMICS ED G PK PRIMARY H PRESCH ED A E CHILD ED @0 SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8409100	FUND OF CAREER IN ED Fundamentals of Careers in Education	6-8 /S	VO		FAM CON SC 1
8409200	FUND OF CAREERS & CP Fundamentals of Careers in Education and Career Planning	6-8 /S	VO		FAM CON SC 1
8440350	INTRO ED & TRAIN Introduction to Education and Training	6-8 /S	VO MULTIPLE		FAM CON SC 1 PRESCH ED A E CHILD ED @0 ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8440360	INTRO ED & TRAIN/CP Introduction to Education and Training and Career Planning	6-8 /S	VO MULTIPLE		FAM CON SC 1 PRESCH ED A E CHILD ED @0 ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER

## APPRENTICESHIP PROGRAMS

V20021R EARLY CHILD ED-APPR  
Early Childhood Education -  
Apprenticeship

## ENERGY CAREER CLUSTER

## ENERGY

I460303	ELEC LINE SERV & REP Electrical Line Service and Repair	30, 31 /			ELECTRICAL @7 7 G TEC ELEC @7 7 G
EEV0151	ELECT POWERLINE INS1 Electrical Powerline Installer 1	/Y	VO MULTIPLE		
9700200	ENERGY GENERATION TE Energy Generation Technician	9-12, 30, 31 /			CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE ELECTRICAL @7 7 G IND ENGR 7 G TEC ED 1 @2
8006110	ENERGY INDUSTRY FUND Energy Industry Fundamentals/Level 3	/Y	VO	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8006120	INTRO TO ALT ENERGY Introduction to Alternative Energy/ Level 3	/Y	EQ		1.0	
9700210	ENERGY GENERATION TE Energy Generation Technician/Level 3	/Y	VO		1.0	
X600200	ENERGY GENERATION TE Energy Generation Technician	30, 31 /				ELECTRICAL @7 7 G TEC ED 1 @2 IND ENGR 7 G
EEV0202	ENERGY GENERATION TE Energy Generation Technician	/Y	VO		3.0	
9700300	ENERGY TECHNICIAN Energy Technician	9- 12, 30, 31 /				CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE ELECTRICAL @7 7 G TEC ED 1 @2 IND ENGR 7 G
8006110	ENERGY INDUSTRY FUND Energy Industry Fundamentals/Level 3	/Y	VO		1.0	
8727210	ELECTRICITY 1 Electricity 1/Level 2	/Y	VO		1.0	
8006120	INTRO TO ALT ENERGY Introduction to Alternative Energy/ Level 3	/Y	EQ		1.0	
8727220	ELECTRICITY 2 Electricity 2/Level 2	/Y	VO		1.0	
X600600	ENERGY TECHNICIAN Energy Technician	30, 31 /				ELECTRICAL @7 7 G TEC ED 1 @2 IND ENGR 7 G
ETP0090	ENERGY TECHNICIAN 1 Energy Technician 1	/Y	VO		2.0	
ETP0091	ENERGY TECHNICIAN 2 Energy Technician 2	/Y	VO		2.0	
9700100	POWER DIST TECH Power Distribution Technician	9- 12, 30, 31 /				CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE ELECTRICAL @7 7 G TEC ED 1 @2 IND ENGR 7 G
8006110	ENERGY INDUSTRY FUND Energy Industry Fundamentals/Level 3	/Y	VO		1.0	
8006120	INTRO TO ALT ENERGY Introduction to Alternative Energy/ Level 3	/Y	EQ		1.0	
9700110	POWER DIST TECH Power Distribution Technician/Level 3	/Y	VO		1.0	
X600100	POWER DIST TECH Power Distribution Technician	30, 31 /				ELECTRICAL @7 7 G TEC ED 1 @2 IND ENGR 7 G
EEV0201	POWER DIST TECH Power Distribution Technician	/Y	VO		3.0	
8006100	SOLAR ENERGY TECH Solar Energy Technology	9- 12, 30, 31 /				CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE ELECTRICAL @7 7 G TEC ED 1 @2 IND ENGR 7 G
8006110	ENERGY INDUSTRY FUND Energy Industry Fundamentals/Level 3	/Y	VO		1.0	
8006120	INTRO TO ALT ENERGY Introduction to Alternative Energy/ Level 3	/Y	EQ		1.0	



## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
8006130	SOLAR ENERGY TECH Solar Energy Technician/Level 3	/Y	VO	1.0		
A600200	SOLAR ENERGY TECH Solar Energy Technology	30, 31 /			ELECTRICAL @7 7 G TEC ED 1 @2	IND ENGR 7 G
EEV0200	SOLAR ENERGY TECH Solar Energy Technician	/	VO	3.0		
X600400	SOLAR PHOTO SYS DSGN Solar Photovoltaic System Design, Installation and Maintenance - Entry Level	30, 31 /			ELECTRICAL @7 7 G BLDG MAINT @7 7 G TEC CONSTR @7 7 G	AC HEAT ME @7 7 G BLDG CONST @7 7 G
EEV0205	SOLAR PHOTO HELPER Solar Photovoltaic System Installation and Maintenance Helper	/Y	VO	1.0		
EEV0206	SOLAR PHOTO TECH Solar Photovoltaic System Installation and Maintenance Technician	/Y	VO	3.0		
X600300	SOLAR THER SYS DSGN Solar Thermal System Design, Installation and Maintenance - Entry Level	30, 31 /			PLUMBIN @7 7 G AC HEAT ME @7 7 G BLDG CONST @7 7 G	ELECTRICAL @7 7 G BLDG MAINT @7 7 G TEC CONSTR @7 7 G
EEV0203	SOL THER SY DSG, HLP Solar Thermal System Design, Installation and Maintenance Helper	/Y	VO	2.0		
EEV0204	SOL THER SY DSG, TEC Solar Thermal System Design, Installation and Maintenance Technician	/Y	VO	2.0		
9700500	TURB GEN MAINT, INSP Turbine Generator Maintenance, Inspection and Repair	9- 12, 30, 31 /			TEC CONSTR @7 7 G BLDG CONST @7 7 G	MILLWRIGHT 7 G IND ENGR 7 G
9700510	TURB GEN MAINT SK 1 Turbine Generator Maintenance Skills 1/Level 2	/S	VO	1.0		
9700520	TURB GEN MAINT SK 2 Turbine Generator Maintenance Skills 2/Level 2	/S	VO	1.0		
9700530	TURB GEN MAINT SK 3 Turbine Generator Maintenance Skills 3/Level 2	/S	VO	1.0		
9700540	TURB GEN MAINT 4 Turbine Generator Maintenance 4/Level 2	/S	VO	1.0		
9700550	TURB GEN MAINT 5 Turbine Generator Maintenance 5/Level 2	/S	VO	1.0		
9700560	TURB GEN MAINT 6 Turbine Generator Maintenance 6/Level 2	/S	VO	1.0		
9700570	TURB GEN MECH 7 Turbine Generator Mechanic 7/Level 2	/S	VO	1.0		
9700580	TURB GEN MECH 8 Turbine Generator Mechanic 8/Level 2	/S	VO	1.0		
9700590	TURB GEN MECH 9 Turbine Generator Mechanic 9/Level 2	/S	VO	1.0		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
X600500	TURB GEN MAINT, INSP Turbine Generator Maintenance, Inspection and Repair	30, 31 /			TEC CONSTR @7 7 G BLDG CONST @7 7 G	MILLWRIGHT 7 G IND ENGR 7 G
EEV0140	TURB GEN MAINT TE I Turbine Generator Maintenance Technician I	/Y	VO	3.0		
EEV0141	TURB GEN MAINT TE II Turbine Generator Maintenance Technician II	/Y	VO	3.0		
EEV0142	TURB GEN MAINT MECH Turbine Generator Maintenance Mechanic	/Y	VO	3.0		

## ENERGY - SUPPLEMENTAL PROGRAMS

9700420	ENERGY OJT Energy Cooperative Education - OJT	9- 12, 30, 31 /M	VO	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
X909999	ENERGY - OJT Energy Cooperative Education- OJT	30, 31 /			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
9701000	ENERGY DIRECTED ST Energy Directed Study	1112, 30, 31 /M	VO	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
9790300	FUND OF ENERGY Fundamentals of Energy	6- 8 /S	VO		TEC ED 1 @2 IND ENGR 7 G	ELECTRICAL @7 7 G
9709350	INTRO TO ENERGY Introduction to Energy	6- 8 /S	VO	MULTIPLE	TEC ED 1 @2 IND ENGR 7 G	ELECTRICAL @7 7 G
9709360	INTRO TO ENERGY & CP Introduction to Energy and Career Planning	6- 8 /S	VO	MULTIPLE	TEC ED 1 @2 IND ENGR 7 G	ELECTRICAL @7 7 G

## APPRENTICESHIP PROGRAMS

X50010R	ELEC METER RPR-APP Electric Meter Repairer - Apprenticeship	30, 31 /				
I46030R	ELEC LINESER&RPR-APP Electrical Line Service and Repair - Apprenticeship	30, 31 /				

|ENGINEERING &amp; TECHNOLOGY EDUCATION CAREER CLUSTER|

## ENGINEERING &amp; TECHNOLOGY CAREER PATH (SCPA)

8601900	ADV TECH APPL Advanced Technology Applications/ Level 3	9- 12, 30, 31 /M	PA	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
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## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION			
8600080	AEROSPACE TECHS Aerospace Technologies	9- 12, 30, 31 /		ENG ENG TEC	7 G 7 G	TEC ED AEROSPACE	1 @2 7 G	
8600580	AEROSPACE TECH I Aerospace Technologies I/Level 2	/Y	EQ	1.0				
8600680	AEROSPACE TECH II Aerospace Technologies II/Level 2	/Y	EQ	1.0				
8601780	AEROSPACE TECH III Aerospace Technologies III/Level 3	/Y	EQ	1.0				
8401100	APPLD ENGINEER TECH Applied Engineering Technology	9- 12, 30, 31 /			TEC ED ENG TEC	1 @2 7 G	ENG 7 G	
8401110	APPLD ENG TECH I Applied Engineering Technology I/ Level 3	/Y	PA	1.0				
8401120	APPLD ENG TECH II Applied Engineering Technology II/ Level 3	/Y	VO	1.0				
8401130	APPLD ENG TECH III Applied Engineering Technology III/ Level 3	/Y	PA	1.0				
9410100	APPLIED ROBOTICS Applied Robotics	9- 12, 30, 31 /			TEC ED ROBOTICS	1 @2 7 G	ENG 7 G	
9410110	FOUND OF ROBOTICS Foundations of Robotics/Level 3	/Y	PA	1.0				
9410120	ROBOTIC DESIGN ESS Robotic Design Essentials/Level 3	/Y	PA	1.0				
9410130	ROBOTIC SYSTEMS Robotic Systems/Level 3	/Y	PA	1.0				
9410140	ROBOTIC APPL CAP Robotic Applications Capstone/Level 3	/Y	PA	1.0				
8601000	COMM TECH Communications Technology	9- 12, 30, 31 /			GRAPH ARTS @4 COMM ART @7	7 G 7 G	PRINTING TEC ED	@7 7 G 1 @2
8601010	COMM TECH I Communications Technology I/Level 3	/Y	PA	1.0				
8601020	COMM TECH II Communications Technology II/Level 3	/Y	PA	1.0				
8601030	COMM TECH III Communications Technology III/Level 3	/Y	PA	1.0				
<sup>a</sup> 8600800	<sup>a</sup> DRAFT/ILL DESIGN TEC Drafting/Illustrative Design Technology	9- 12, 30, 31 /			GRAPH ARTS @4 TEC ED	1 @2	ENG DRAFTING	7 G @7 7 G
<sup>a</sup> 8600810	<sup>a</sup> DRAFT/ILL DSN TECH I Drafting/Illustrative Design Technology I/Level 2	/Y	PA	1.0				
<sup>a</sup> 8600820	<sup>a</sup> DRAFT/ILL DSN TECH II Drafting/Illustrative Design Technology II/Level 2	/Y	PA	1.0				
<sup>a</sup> 8600830	<sup>a</sup> DRAFT/ILL DSN TECH III Drafting/Illustrative Design Technology III/Level 3	/Y	PA	1.0				
8600900	ELECTS TECH Electronics Technology	9- 12, 30, 31 /			ELECTRONIC @7 TEC ELEC @7 TEC ED	7 G 7 G 1 @2	ELECTRICAL @4 ENG	@7 7 G 7 G

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION		
			REQUIREMENTS	GRADUATION				
8600910	ELECTS TECH I Electronics Technology I/Level 2	/Y	VO		1.0			
8600920	ELECTS TECH II Electronics Technology II/Level 2	/Y	VO		1.0			
8600930	ELECTS TECH III Electronics Technology III/Level 3	/Y	VO		1.0			
<sup>a</sup> 9400200	<sup>a</sup> ENGINEER BY DESIGN Engineering by Design	9- 12, 30, 31 /			TEC ED	1 @2	ENG	7 G
<sup>a</sup> 8600120	FOUND OF TECH Foundations of Technology/Level 2	/Y	VO		1.0			
<sup>a</sup> 8600130	IMPACTS OF TECH Impacts of Technology/Level 2	/Y	VO		1.0			
<sup>a</sup> 8600140	INTRO TO DESIGN Introduction to Design/Level 2	/Y	PA		1.0			
8600150	TECH ISSUES Technological Issues/Level 2	/Y	VO		1.0			
<sup>a</sup> 8600160	ENGR DESIGN Engineering Design/Level 2	/Y	PA		1.0			
9400300	ENGINEERING PATHWAYS Engineering Pathways	9- 12, 30, 31 /			PLTW PTE ENG	7 G 7 G	TEC ED	1 @2
8600550	INTRO TO ENGR DSN Introduction to Engineering Design/ Level 3	/Y	PA		1.0			
8600520	PRIN OF ENGR Principles of Engineering/Level 3	/Y	PA		1.0			
8600530	DIG ELECT Digital Electronics/Level 3	/Y	PA		1.0			
8600560	COMP INTG MAN OR Computer Integrated Manufacturing/ Level 3 OR	/Y	PA		1.0			
8600590	CIV ENGR & ARCH OR Civil Engineering and Architecture/ Level 3 OR	/Y	PA		1.0			
8600620	AERO ENGR OR Aerospace Engineering/Level 3 OR	/Y	PA		1.0			
8600630	BIOTECH ENGR OR Biotechnical Engineering/Level 3 OR	/Y	PA		1.0			
8600650	ENGR DSN & DEV Engineering Design and Development/ Level 3	/Y	PA		1.0			
<sup>a</sup> 8607000	<sup>a</sup> ENGINEERING TECH SEC Engineering Technology - Secondary	9- 12, 30, 31 /			ENG ENG TEC	7 G 7 G	TEC ED	1 @2
<sup>a</sup> 8600570	ENGINEERING TECH I Engineering Technology I/Level 2	/Y	PA		1.0			
<sup>a</sup> 8600670	ENGINEERING TECH II Engineering Technology II/Level 2	/Y	PA		1.0			
<sup>a</sup> 8601770	ENGINEERING TECH III Engineering Technology III/Level 3	/Y	PA		1.0			
8404100	MARITIME TECHNOLOGY Maritime Technology	9- 12, 30, 31 /			TEC ED	1 @2	SEAMANSHIP	7 G
8404110	MARITIME 1 Maritime 1/Level 2	/Y	VO		1.0			

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
8404120	MARITIME 2 Maritime 2/Level 2	/Y	VO	1.0		
8404130	MARITIME 3 Maritime 3/Level 2	/Y	VO	1.0		
8404140	MARITIME 4 Maritime 4/Level 2	/Y	VO	1.0		
8601100	MAT & PROCS TECH Materials and Processes Technology	9- 12, 30, 31 /			WOODWORKIN @4 TEC ED 1 @2	ENG 7 G CAB WOODWK @7 7 G
8601110	MAT & PROCS TECH I Materials and Processes Technology I/Level 2	/Y	PA	1.0		
8601120	MAT & PROCS TECH II Materials and Processes Technology II/Level 2	/Y	PA	1.0		
8601130	MAT & PROCS TECH III Materials and Processes Technology III/Level 3	/Y	PA	1.0		
8601300	POWER & ENERGY TECH Power and Energy Technology	9- 12, 30, 31 /			AUTO MECH @7 7 G GASENG RPR @7 7 G DIESEL MEC @7 7 G TEC MECH @7 7 G TEC ED 1 @2	AUTO IND @7 %7 %G TRANSPORT @4 AIR MECH @7 7 G ENG 7 G TRANSPORT @7 7 G
8601310	POWER ENRG TECH I Power and Energy Technology I/Level 2	/Y	VO	1.0		
8601320	POWER ENRG TECH II Power and Energy Technology II/Level 2	/Y	VO	1.0		
8601330	POWER ENRG TECH III Power and Energy Technology III/ Level 3	/Y	VO	1.0		
8604000	PRODUCTION TECH Production Technology	9- 12, 30, 31 /			ENG 7 G	TEC ED 1 @2
8600540	PRODUCTION TECH I Production Technology I/Level 2	/Y	PA	1.0		
8600640	PRODUCTION TECH II Production Technology II/Level 2	/Y	PA	1.0		
8601740	PRODUCTION TECH III Production Technology III/Level 3	/Y	PA	1.0		
9400100	SCIENTIFIC VISUALIZ Scientific Visualization	9- 12, 30, 31 /			SCI VIZ 7 G COMPU SCI 6	TEC ED 1 @2 ENG 7 G
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0		
9400110	PRIN SCIEN VISUALIZ Principles of Scientific Visualization /Level 3	/Y	VO	1.0		
9400120	DATA MODELING Data Modeling/Level 3	/Y	PA	1.0		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
9400130	ADV APPS SCI VISUAL Advanced Applications in Scientific Visualization/Level 3	/Y	PA		1.0	
9400140	SCIVIZ INTERNSHIP Scientific Visualization Internship /Level 2	/Y	VO		1.0	
8401000	TECHNICAL DESIGN Technical Design	9- 12, 30, 31 /				TEC ED 1 @2 DRAFTING @7 7 G GRAPH ARTS @4 ENG 7 G
8401010	TECHNICAL DESIGN 1 Technical Design 1/Level 3	/Y	PA		1.0	
8401020	TECHNICAL DESIGN 2 Technical Design 2/Level 3	/Y	PA		1.0	
8401030	TECHNICAL DESIGN 3 Technical Design 3/Level 3	/Y	PA		1.0	
8600100	TECH STUDIES Technology Studies	9- 12, 30, 31 /				ENG 7 G TEC ED 1 @2
8600510	TECH STUDIES I Technology Studies I/Level 2	/Y	PA		1.0	
8600610	TECH STUDIES II Technology Studies II/Level 2	/Y	PA		1.0	
8601710	TECH STUDIES III Technology Studies III/Level 2	/Y	PA		1.0	
8600400	TECH SYSS Technology Systems	9- 12, 30, 31 /				SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8600410	COMMUNICATIONS SYSS Communications Systems/Level 2	/S	PA		0.5	
8600420	POWER TRANS SYSTEMS Power and Transportation Systems/ Level 2	/S	VO		0.5	
8600430	PRODUCTION SYSTEMS Production Systems/Level 2	/S	VO		0.5	
8600440	DRAFT/ILL DSN TECH Drafting/Illustrative Design Systems /Level 2	/S	PA		0.5	
8600450	ELECTRONICS SYSS Electronics Systems/Level 2	/S	VO		0.5	
8600460	ENGINEERING SYSS Engineering Systems/Level 2	/S	VO		0.5	
8600470	APPLIED TECH SYSS Applied Technology Systems/Level 2	/S	VO		0.5	
8600480	HOME TECH SYSTEMS Home Technology Systems/Level 2	/S	VO		0.5	
8601200	TRANS TECH Transportation Technology	9- 12, 30, 31 /				AUTO MECH @7 7 G AUTO IND @7 %7 %G GASENG RPR @7 7 G DIESEL MEC @7 7 G AIR MECH @7 7 G ENG 7 G TEC ED 1 @2 TRANSPORT @4 @7 7 G
8601210	TRANS TECH I Transportation Technology I/Level 2	/Y	VO		1.0	
8601220	TRANS TECH II Transportation Technology II/Level 2	/Y	VO		1.0	
8601230	TRANS TECH III Transportation Technology III/Level 3	/Y	VO		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8601800	WORK-BASED EXP Work-Based Experience/Level 2	9-12, 30, 31 /M	VO	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE

## GENERAL PROGRAMS

8600042	EX OF PDCT TECH & CP Exploration of Production Technology and Career Planning	6-8	/S	VO	TEC ED 1 @2 TEC CONSTR @7 7 G ENG 7 G CARPENTRY @7 7 G	WOODWORKIN @4 BLDG CONST @7 7 G BLDG MAINT @7 7 G
8600220	EXPLOR TECH & CAR PLA Exploring Technology and Career Planning	6-8	/S	VO	TEC ED 1 @2	ENG 7 G
8600000	INTEGRATED TECH ST Integrated Technology Studies	6-8	/		SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
8600010	INTROD TO TECH Introduction to Technology		/S	VO		
8600020	EX TECHNOLOGY Exploring Technology		/S	VO		
8600030	EX COMM TECH Exploration of Communications Technology		/S	VO		
8600040	EX PRODUCTION TECH Exploration of Production Technology		/S	VO		
8600050	EX AEROSPACE TECH Exploration of Aerospace Technology		/S	VO		
8600240	EX TRANS TECH Exploration of Transportation Technology		/S	VO		
8600250	EX POWER & ENRG TECH Exploration of Power and Energy Technology		/S	VO		

## FINANCE CAREER CLUSTER

## FINANCIAL &amp; INVESTMENT PLANNING CAREER PATH (FNPA)

^8815100	FINANCE Finance	9-12, 30, 31 /			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
a8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2		/S	VO	0.5	
a8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2		/S	VO	0.5	
a8209020	CPT FOR COLG & CAR Computing for College and Careers/L Level 2		/Y	PA	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8815150	FIN & BUS TECH Finance and Business Technology/ Level 2	/Y	PA		1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
8203310	ACCT APPL 1 Accounting Applications 1/Level 3	/Y	VO		1.0	
8815110	FINANCIAL OPS Financial Operations/Level 3	/Y	VO		1.0	
2102360	AP MICROECONOMICS AP Microeconomics	/S	EC		0.5	
2102370	AP MACROECONOMICS AP Macroeconomics	/S	EC		0.5	
8815130	FINANCIAL INTERN Financial Internship/Level 2 OR	/Y	VO	MULTIPLE		
8501420	FINANCE COOP - OJT Finance Cooperative Education - OJT /Level 2	/Y	VO	MULTIPLE		
8815120	PERS FIN PLAN Personal Financial Planning/Level 3	/Y	VO		1.0	
M804011	FINANCE Finance	30, 31	/			BUS ED 1 @2 MKTG 1 @2
BRC0090	FIN & BUS TECH Finance and Business Technology	/Y	PA		1.0	
BRC0091	ACCOUNTING APPS 1 Accounting Applications 1	/Y	VO		1.0	
BRC0094	FINANCIAL OPERATIONS Financial Operations	/Y	VO		1.0	
BRC0945	FINANCIAL INTERNSHIP Financial Internship	/Y	VO		1.0	
BRC0093	PERSONAL FIN PLAN Personal Financial Planning	/Y	VO		1.0	
8515300	GLOBAL FINANCE Global Finance	9- 12, 30, 31 /				BANK FINC @7 7 G BUS ED 1 @2
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO		0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO		0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA		1.0	



## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
8815150	FIN & BUS TECH Finance and Business Technology/ Level 2	/Y	PA		1.0	
8203310	ACCT APPL 1 Accounting Applications 1/Level 3	/Y	VO		1.0	
8815160	MANAGERIAL ACCT Managerial Accounting/Level 3	/Y	VO		1.0	
8815130	FINANCIAL INTERN Financial Internship/Level 2 OR	/Y	VO	MULTIPLE		
8501420	FINANCE COOP - OJT Finance Cooperative Education - OJT /Level 2	/Y	VO	MULTIPLE		
8815170	BUS IN A GLOBAL ECON Business In A Global Economy/Level 3	/Y	VO		1.0	
F100110	GLOBAL FINANCE Global Finance	30, 31	/			BANK FINC @7 7 G BUS ED 1 @2 MKTG MGMT @7 7 G MKTG 1 @2
BRC0090	FIN & BUS TECH Finance and Business Technology	/Y	PA		1.0	
BRC0091	ACCOUNTING APPS 1 Accounting Applications 1	/Y	VO		1.0	
AC00050	MANAGERIAL ACCOUNT Managerial Accounting	/Y	VO		1.0	
BRC0945	FINANCIAL INTERNSHIP Financial Internship	/Y	VO		1.0	
BRC0099	BUS IN A GLOBAL ECON Business in A Global Economy	/Y	VO		1.0	
F100100	IND INCOME TAX PREP Individual Income Tax Preparation	30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
TAX0090	BASIC IND TAX PREP Basic Individual Tax Preparation	/Y	VO		0.0	
TAX0091	INTERMED TAX PREP Intermediate Tax Preparation	/Y	VO		0.0	
TAX0092	ADVANCED TAX PREP Advanced Tax Preparation	/Y	VO		0.0	
F100200	PERS FINANCE PLAN Personal Financial Planning	30, 31	/			PER FIN PL 7 G
BRC0080	ESTATE PLANNER Estate Planner	/Y	VO		0.0	
BRC0081	INCOME TAX PLANNING Income Tax Planning	/Y	VO		0.0	
BRC0082	INVESTMENT PLANNING Investment Planning	/Y	VO		0.0	
BRC0083	EMP BENEFIT & RETIRE Employee Benefits And Retirement Planning	/Y	VO		0.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
BRC0084	PRIN OF FIN & INS Principles Of Financial And Insurance Planning	/Y	VO		0.0	
BRC0089	PER FIN PLANNING Personal Financial Planning (Capstone)	/Y	VO		0.0	
BANKING & RELATED SERVICES CAREER PATH (FNPC)						
MB07050	MORTGAGE LOAN ORIG Mortgage Loan Originator	30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
REE0092	MORTGAGE LOAN ORIG Mortgage Loan Originator	/Y	VO		0.0	
INSURANCE SERVICES CAREER PATH (FNPD)						
MB10015	INS CLAIMS ADJUSTER Insurance Claims Adjuster	30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
RMI0094	INSURANCE CLAIMS ADJ Insurance Claims Adjuster	/Y	VO		0.0	
MB10013	INS CUSTOMER REPR Insurance Customer Representative	30, 31	/			INSURANCE 7 G
RMI0095	INSURANCE CUST REP Insurance Customer Representative	/S	VO		0.5	
MB10016	INS CUST SERV REP Insurance Customer Service Representative	30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
RMI0093	(INS) CUST SRV REP (Insurance) Customer Service Representative	/Y	VO		0.0	
MB10014	INS GEN LINES AGENT Insurance General Lines Agent	30, 31	/			INSURANCE 7 G
RMI0096	INS GEN LINES AGENT Insurance General Line Agent	/Y	VO		1.0	
MB10012	LIFE INS MARKET Life Insurance Marketing	30, 31	/			INSURANCE 7 G
RMI0099	INS SALES AGT Insurance Sales Agent - Life, Health and Annuities	/Y	VO		0.0	
MB10020	PERS LINES INS(20-44) Personal Lines Insurance (20-44)	30, 31	/			INSURANCE 7 G
RMI0098	PERS LINES INS AGT Personal Lines Insurance Agent (20-44)	/Y	VO		0.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
----- GENERAL PROGRAMS -----					
8501420	Finance OJT Finance Cooperative Education - OJT	9- 12, 30, 31 /M	VO MULTIPLE		BUS ED 1 @2 TC COOP ED @7 ANY BUSINESS ED/TC COOP ED ANY BUSINESS ED G VOE @7 MKTG 1 @2
F409999	FINANCE OJT Finance Cooperative Education- OJT	30, 31 /	VO 4.0		BUS ED 1 @2 TC COOP ED @7 ANY BUSINESS ED/TC COOP ED E G ANY BUSINESS ED G VOE @7 MKTG 1 @2
8501000	FINANCE DIRECTED ST Finance Directed Study	1112, 30, 31 /M	VO MULTIPLE		ANY BUSINESS ED G BUS ED 1 @2 MKTG 1 @2
8540400	FUND OF FINANCE Fundamentals of Finance	6- 8 /S	VO		BUS ED 1 @2 TC COOP ED @7 VOE @7 MKTG 1 @2
8540350	INTRO TO FINANCE Introduction to Finance	6- 8 /S	VO MULTIPLE		BUS ED 1 @2 TC COOP ED @7 VOE @7 MKTG 1 @2
8540360	INTRO TO FINANCE/CP Introduction to Finance and Career Planning	6- 8 /S	VO MULTIPLE		BUS ED 1 @2 TC COOP ED @7 VOE @7 MKTG 1 @2
8500120	PERS & FAM FIN Personal and Family Finance/Level 2	9- 12, 30, 31 /S	VO 0.5		FAM CON SC 1 BUS ED 1 @2

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GOVERNMENT & PUBLIC ADMINISTRATION CAREER CLUSTER

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GOVERNANCE CAREER PATH (GVPA)  
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I470304	PUBLIC WORKS Public Works	30, 31 /			ANY VOCATIONAL FIELD OR COVERAGE
ETC0003	PUB WORKS CADET 1 Public Works Cadet 1 (Core)	/Y	VO	1.0	
ETC0004	PUB WORKS CADET 2 Public Works Cadet 2	/Y	VO	1.0	
ETC0005	PUB WORKS CADET 3 Public Works Cadet 3	/Y	VO	1.0	

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PLANNING CAREER PATH (GVPD)  
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8602000	EMER PLAN & RESPONSE Emergency Planning and Response	9- 12, 30, 31 /			PUB SERV 7 G LAW ENF 7 G	PUB ADM 7 G FIRE FIGHT 7 G
8602010	EMER PLAN & RESP 1 Emergency Planning and Response 1/ Level 3	/Y	VO	1.0		
8602020	EMER PLAN & RESP 2 Emergency Planning and Response 2/ Level 3	/Y	VO	1.0		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			

8602030	EMER PLAN & RESP 3 Emergency Planning and Response 3/ Level 3		/Y	VO	1.0	
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8602040	EMER PLAN & RESP 4 Emergency Planning and Response 4/ Level 3		/Y	VO	1.0	
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## PUBLIC MANAGEMENT &amp; ADMINISTRATION CAREER PATH (GVPG)

8900500	FUND OF GOV & PS Fundamentals of Government and Public Administration	6-8	/S	VO		ANY PUB SERV OCC ED G TEC CONSTR @7 7 G
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## SUPPLEMENTAL PROGRAMS

8601420	GOV & PA OJT Government and Public Administration Cooperative Education OJT	9-12, 30, 31	/M	VO	MULTIPLE	ANY PUB SERV OCC ED G
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G809999	GOV & PA OJT Government and Public Administration Cooperative Education OJT	30, 31	/M		MULTIPLE	ANY PUB SERV OCC ED G
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8603000	GOV & PA DIR STUDY Government and Public Administration Directed Study	1112, 30, 31	/M	VO	MULTIPLE	ANY PUB SERV OCC ED G
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8900210	INTRO GOV & PS Introduction to Government and Public Administration	6-8	/S	VO		ANY PUB SERV OCC ED G TEC CONSTR @7 7 G
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8900360	INTRO GOV & PS/CP Introduction to Government and Public Administration/Career Planning	6-8	/S	VO		ANY PUB SERV OCC ED G TEC CONSTR @7 7 G
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8900330	PRIN PUB SERV Principles of Public Service/Level 2	9-12, 30, 31	/Y	VO	1.0	ANY PUB SERV OCC ED G
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## HEALTH SCIENCE CAREER CLUSTER

## THERAPEUTIC SERVICES CAREER PATH (HLPA)

8417130	ALLIED HEALTH ASSIT Allied Health Assisting	9-12, 30, 31	/			ANY HEALTH OCCUP G
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8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>@</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>@</sup> Health Science Anatomy & Physiology /Level 3		/Y	VO	1.0	
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## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>®</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>®</sup> Health Science Foundations/Level 2	/Y	VO		1.0	
8417131	ALLIED HLTH ASSIST 3 Allied Health Assisting 3/Level 2	/Y	VO		1.0	
H170220	CENT STERILE PRO TEC Central Sterile Processing Technology	30, 31	/			SURG TECH 7 G CENTSERVTE 7 G OPREGNURSE 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
STS0013	CENT STER PROC TECH Central Sterile Processing Techni cian	/Y	VO		2.5	
STS0014	CENT SER MAT MGMT Central Service Materials Management	/Y	VO		2.5	
8417140	DENTAL AIDE Dental Aide	9- 12, 30, 31	/			CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>®</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>®</sup> Health Science Anatomy & Physi ology /Level 3	/Y	VO		1.0	
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>®</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>®</sup> Health Science Foundations/Level 2	/Y	VO		1.0	
8417141	DENTAL AIDE 3 Dental Aide 3/Level 2	/Y	VO		1.0	
H170106	DENTAL ASSIST Dental Assisting	30, 31	/			DENTL ASST @7 7 G DEN LABTEC 7 G
DEA0725	INTRO TO DENTAL ASST Introduction to Dental Assisting	/Y	VO		0.5	
DEA0726	DENT INFECT CTRL AST Dental Infection Control Assistant	/Y	VO		1.0	
DEA0727	DENTAL ASSISTING 1 Dental Assisting 1	/Y	VO		3.0	
DEA0728	DENTAL ASSISTING 2 Dental Assisting 2	/Y	VO		3.0	
H170113	DEN ASST TECH&MG TATD Dental Assisting Technology and Management - ATD	30, 31	/			
DEA0725	INTRO TO DENTAL ASST Introduction to Dental Assisting	/Y	VO		0.5	
DEA0726	DENT INFECT CTRL AST Dental Infection Control Assistant	/Y	VO		1.0	
DEA0727	DENTAL ASSISTING 1 Dental Assisting 1	/Y	VO		3.0	
DEA0728	DENTAL ASSISTING 2 Dental Assisting 2	/Y	VO		3.0	
8417150	DEN LAB ASST Dental Laboratory Assisting	9- 12, 30, 31	/			CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>®</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>®</sup> Health Science Anatomy & Physiology /Level 3	/Y	VO		1.0	
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>®</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>®</sup> Health Science Foundations/Level 2	/Y	VO		1.0	
8417151	DEN LAB ASSIST 3 Dental Laboratory Assisting 3/Level 2	/Y	VO		1.0	
8417152	DEN LAB ASSIST 4 Dental Laboratory Assisting 4/Level 2	/Y	VO		1.0	
H170103	DENTAL LAB TECH Dental Laboratory Technology	30, 31	/			DEN LABTEC 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
DEA0705	DENTURE TECH 1 Denture Technician 1	/Y	VO		2.0	
DEA0713	DENTURE TECH 2 Denture Technician 2	/Y	VO		2.0	
DEA0706	ADV DENTURE TECH Advanced Denture Technician	/Y	VO		2.5	
DEA0709	CROWN & BRIDGE TECH Crown and Bridge Technician	/Y	VO		2.0	
DEA0710	CERAMIC TECH Ceramic Technician	/Y	VO		1.5	
DEA0005	DENTAL LAB TECH Dental Lab Technician	/Y	VO		1.5	
8417160	EKG AIDE Electrocardiograph Aide	9- 12, 30, 31	/			CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>®</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>®</sup> Health Science Anatomy & Physiology /Level 3	/Y	VO		1.0	
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>®</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>®</sup> Health Science Foundations/Level 2	/Y	VO		1.0	
8417161	EKG AIDE 3 Electrocardiograph Aide 3/Level 2	/S	VO		0.5	
8427100	ELECTROCARDIO TECH Electrocardiograph Technician	9- 12, 30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>®</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>®</sup> Health Science Anatomy & Physiology /Level 3	/Y	VO		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>®</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>®</sup> Health Science Foundations/Level 2	/Y	VO		1.0	
8427130	ELECTROCARDIO TECH 3 Electrocardiograph Technician 3/ Level 2	/Y	PA		1.0	
8417170	EMERG MED RESPONDER Emergency Medical Responder	9-12, 30, 31 /				CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>®</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>®</sup> Health Science Anatomy & Physiology /Level 3	/Y	VO		1.0	
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>®</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>®</sup> Health Science Foundations/Level 2	/Y	VO		1.0	
8417171	EMERG MED RESP 3 Emergency Medical Responder 3/Level 2	/Y	VO		1.0	
H171500	EMERG MED RESP Emergency Medical Responder	30, 31 /				REG NURSE 7 G EMT 7 G MED PROF 7 G PARAMEDIC @7 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
EMS0050	EMERG MED RESP Emergency Medical Responder	/Y	VO		1.0	
W170205	EMT Emergency Medical Technician	30, 31 /				SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
EMS0159	EMER MEDICAL TECH Emergency Medical Technician	/Y	VO		1.0	
W170208	EMT - ATD Emergency Medical Technician - ATD	30, 31 /				
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
EMS0159	EMER MEDICAL TECH Emergency Medical Technician	/Y	VO		1.0	
8417000	HEALTH & WELLNESS Health and Wellness	9-12, 30, 31 /	VO			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>®</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>®</sup> Health Science Anatomy & Physiology /Level 3	/Y	VO		1.0	
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>®</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>®</sup> Health Science Foundations/Level 2	/Y	VO		1.0	
8417120	HEALTH & WELLNESS 3 Health and Wellness 3/Level 2	/Y	VO		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8417280	HEAL UNIT COOR Health Unit Coordinator (Secondary)	9- 12, 30, 31 /			CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE TEC MED !7 G
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>®</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>®</sup> Health Science Anatomy & Physiology /Level 3	/Y	VO	1.0	
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>®</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>®</sup> Health Science Foundations/Level 2	/Y	VO	1.0	
8417281	HEALTH UNIT COOR 1 Health Unit Coordinator 1/Level	/Y	VO	1.0	
8417282	HEALTH UNIT COOR 2 Health Unit Coordinator 2/Level 2	/Y	VO	1.0	
H170207	HEMODIALYSIS TECH Hemodialysis Technician	30, 31 /			REG NURSE @7 7 G PRAC NURSE @7 %7 %G HEMO TEC 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0	
MLT0368	DIALYSIS TECH 1 Dialysis Technician 1	/Y	VO	1.5	
MLT0369	DIALYSIS TECH 2 Dialysis Technician 2	/Y	VO	1.5	
H170604	HME HLTH AIDE (PS) Home Health Aide (Postsecondary)	30, 31 /			PRAC NURSE @7 %7 %G REG NURSE 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0	
HCP0330	HOME HEALTH AIDE Home Health Aide	/S	VO	0.5	
8417190	HME HEALTH AIDE (S) Home Health Aide (Secondary)	9- 12, 30, 31 /			CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>®</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>®</sup> Health Science Anatomy & Physiology /Level 3	/Y	VO	1.0	
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>®</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>®</sup> Health Science Foundations/Level 2	/Y	VO	1.0	
8417191	HME HLTH AIDE 3 Home Health Aide 3/Level 2	/S	VO	0.5	
H120405	MESSAGE THERAPY Massage Therapy	30, 31 /			MESSAGE TH 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0	
MSS0205	MESSAGE THERAPIST 1 Massage Therapist 1	/Y	VO	2.0	
MSS0206	MESSAGE THERAPIST 2 Massage Therapist 2	/Y	VO	2.0	



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<sup>a</sup> H170503	<sup>a</sup> MEDICAL ASSISTING Medical Assisting	30, 31	/		SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker		/Y VO	1.0	
MEA0500	MED OFFICE RECEP Medical Office Receptionist		/S VO	0.5	
MEA0521	PHLEBOTOMIST, MA Phlebotomist, MA		/S VO	0.5	
MEA0543	EKG AIDE, MA EKG Aide, MA		/S VO	0.5	
MEA0550	MEDICAL ASST 1 Medical Assistant 1		/Y VO	2.0	
MEA0551	MEDICAL ASST 2 Medical Assistant 2		/Y VO	2.0	
MEA0552	MEDICAL ASST 3 Medical Assistant 3		/Y VO	2.0	
<sup>a</sup> H170515	<sup>a</sup> MEDICAL ASSIST (NEW) Medical Assisting (New)	30, 31	/		SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker		/Y VO	1.0	
MEA0002	INTRO/MED ASSIST Introduction to Medical Assisting		/Y VO	1.5	
MEA0501	MED OFF PROCEDURES Medical Office Procedures		/Y VO	0.5	
MEA0521	PHLEBOTOMIST, MA Phlebotomist, MA		/S VO	0.5	
MEA0543	EKG AIDE, MA EKG Aide, MA		/S VO	0.5	
MEA0581	CLINICAL ASSISTING Clinical Assisting		/Y VO	1.5	
MEA0530	PHARM/MEDICAL ASST Pharmacology for Medical Assisting		/Y VO	0.5	
MEA0573	LABORATORY PROCEDURE Laboratory Procedures		/Y VO	0.5	
MEA0506	ADMIN OFF PROCEDURE Administrative Office Procedures		/Y VO	0.5	
MEA0942	PRACTICUM EXPERIENCE Practicum Experience		/Y VO	1.0	
8417200	MED LAB ASSIST Medical Laboratory Assisting (Secondary)	9- 12, 30, 31	/		CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE TEC MED !7 G
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>@</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>@</sup> Health Science Anatomy & Physiology /Level 3		/Y VO	1.0	
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>@</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>@</sup> Health Science Foundations/Level 2		/Y VO	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8417201	MED LAB ASSIST 3 Medical Laboratory Assisting 3/ Level 3	/Y	VO		1.0	
8417202	MED LAB ASSIST 4 Medical Laboratory Assisting 4/ Level 3	/Y	VO		1.0	
8417210	NURSE AST Nursing Assistant (Acute and Long Term Care)	9- 12, 30, 31 /				CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>@</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>@</sup> Health Science Anatomy & Physiology /Level 3	/Y	VO		1.0	
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>@</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>@</sup> Health Science Foundations/Level 2	/Y	VO		1.0	
8417211	NURSE ASSIST 3 Nursing Assistant 3/Level 3	/Y	VO		1.0	
H170690	NURSING ASST (ART.) Nursing Assistant (Articulated)	30, 31 /				PRAC NURSE @7 %7 %G REG NURSE 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	/S	VO		1.0	
H170602	NURSING ASSISTANT Nursing Assistant (Long Term Care)	30, 31 /				PRAC NURSE @7 %7 %G REG NURSE 7 G
PRN0090	NURSE AIDE & ORDERLY Nurse Aide and Orderly	/Y	VO		1.0	
H170704	OPTOMETRIC ASSIST Optometric Assisting	30, 31 /				TEC OPTICS 7 G OPTOM ASST 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
OPT0005	OPTOMETRIC ASST 1 Optometric Assistant 1	/Y	VO		2.0	
OPT0006	OPTOMETRIC ASST 2 Optometric Assistant 2	/Y	VO		2.0	
OPT0007	OPTOMETRIC ASST 3 Optometric Assistant 3	/Y	VO		2.0	
H170800	ORTHOPEDIC TECH Orthopedic Technology	30, 31 /				ORTHO TEC 7 G RN ORTHO 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
PHT0090	ORTHOPEDIC TECH 1 Orthopedic Technologist 1	/Y	VO		2.0	
PHT0091	ORTHOPEDIC TECH 2 Orthopedic Technologist 2	/Y	VO		2.0	
W170206	PARAMEDIC Paramedic	30, 31 /				SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	

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			GRADUATION REQUIREMENTS			
EMS0219	PARAMEDIC 1 Paramedic 1	/Y	VO		2.0	
EMS0220	PARAMEDIC 2 Paramedic 2	/Y	VO		2.0	
EMS0221	PARAMEDIC 3 Paramedic 3	/Y	VO		2.0	
H170692	PATIENT CARE ASST. Patient Care Assistant	30, 31	/			CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	/S	VO		1.0	
HCP0332	ADV HOME HEALTH AIDE Advanced Home Health Aide	/Y	VO		0.0	
HCP0020	PATIENT CARE ASST Patient Care Assistant	/S	VO		0.5	
H170694	PATIENT CARE TECH Patient Care Technician	30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	/S	VO		1.0	
HCP0332	ADV HOME HEALTH AIDE Advanced Home Health Aide	/Y	VO		0.0	
HCP0020	PATIENT CARE ASST Patient Care Assistant	/S	VO		0.5	
HSC0016	ALLIED HEALTH ASST Allied Health Assistant	/Y	VO		1.0	
MEA0580	ADV ALL HEALTH ASST Advanced Allied Health Assistant	/S	VO		0.5	
PRN0094	PATIENT CARE TECH Patient Care Technician	/Y	VO		0.0	
H170500	PHARMACY TECH Pharmacy Technician	30, 31	/			PHARMACY 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
PTN0084	PHARMACY TECH 1 Pharmacy Technician 1	/Y	VO		2.0	
PTN0085	PHARMACY TECH 2 Pharmacy Technician 2	/Y	VO		2.0	
PTN0086	PHARMACY TECH 3 Pharmacy Technician 3	/Y	VO		2.0	
8418200	PHARMACY TECHNICIAN Pharmacy Technician Secondary	9- 12, 30, 31	/			PHARMACY 7 G
8418210	PHARMACY TECH 1 Pharmacy Technician 1/ Level 2	/Y	VO		1.0	
8418220	PHARMACY TECH 2 Pharmacy Technician 2/ Level 2	/Y	VO		1.0	
8418230	PHARMACY TECH 3 Pharmacy Technician 3/ Level 2	/Y	VO		1.0	
8418240	PHARMACY TECH 4 Pharmacy Technician 4/ Level 2	/Y	VO		1.0	

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			REQUIREMENTS	GRADUATION		
8418250	PHARMACY TECH 5 Pharmacy Technician 5/ Level 2	/Y	VO		1.0	
8418260	PHARMACY TECH 6 Pharmacy Technician 6/ Level 2	/Y	VO		1.0	
8418270	PHARMACY TECH 7 Pharmacy Technician 7/ Level 2	/Y	VO		1.0	
H170700	PHAR TECH ATD Pharmacy Technician--ATD	30, 31	/			
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
PTN0084	PHARMACY TECH 1 Pharmacy Technician 1	/Y	VO		2.0	
PTN0085	PHARMACY TECH 2 Pharmacy Technician 2	/Y	VO		2.0	
PTN0086	PHARMACY TECH 3 Pharmacy Technician 3	/Y	VO		2.0	
8418300	PRACTICAL NURSING Practical Nursing	9- 12, 30, 31	/			PRAC NURSE @7 %7 %G REG NURSE 7 G
8418310	PRACTICAL NURSING 1 Practical Nursing 1/Level 3	/Y	VO		1.0	
8418320	PRACTICAL NURSING 2 Practical Nursing 2/Level 3	/Y	VO		1.0	
8418330	PRACTICAL NURSING 3 Practical Nursing 3/Level 3	/Y	VO		1.0	
8418340	PRACTICAL NURSING 4 Practical Nursing 4/Level 3	/Y	VO		1.0	
8418350	PRACTICAL NURSING 5 Practical Nursing 5/Level 3	/Y	VO		1.0	
8418360	PRACTICAL NURSING 6 Practical Nursing 6/Level 3	/Y	VO		1.0	
8418370	PRACTICAL NURSING 7 Practical Nursing 7/Level 3	/Y	VO		1.0	
8418380	PRACTICAL NURSING 8 Practical Nursing 8/Level 3	/Y	VO		1.0	
8418390	PRACTICAL NURSING 9 Practical Nursing 9/Level 3	/Y	VO		1.0	
H170605	PRACTICAL NURSING Practical Nursing	30, 31	/			PRAC NURSE @7 %7 %G REG NURSE 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	/S	VO		1.0	
PRN0091	PRAC NURSE 1 Practical Nurse 1	/Y	VO		1.5	
PRN0092	PRAC NURSE 2 Practical Nurse 2	/Y	VO		3.0	
PRN0096	PRAC NURSE 3 Practical Nurse 3	/Y	VO		3.0	
H181106	PSYCHIATRIC TECH Psychiatric Technology	30, 31	/			PRAC NURSE @7 %7 %G REG NURSE 7 G MENT HEAL 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0	

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HCP0852	PSYCHIATRIC AIDE Psychiatric Aide	/Y	VO	2.0	
H170211	SURGICAL TECHNOLOGY Surgical Technology	30, 31	/		OPR RM TEC @7 7 G REG NURSE 7 G OPREGNURSE 7 G PRAC NURSE @7 %7 %G SURG TECH 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0	
STS0015	CENTRAL SUPPLY TECH Central Supply Technician	/Y	VO	1.0	
STS0010	SURGICAL TECH 1 Surgical Technologist 1	/Y	VO	2.0	
STS0011	SURGICAL TECH 2 Surgical Technologist 2	/Y	VO	2.0	
STS0012	SURGICAL TECH 3 Surgical Technologist 3	/Y	VO	2.0	
8417230	VISION CARE ASSIST Vision Care Assisting	9-12, 30, 31	/		CERTIFICATION BY COURSE SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8417100	<sup>a</sup> HEALTH SCIENCE 1/A&P <sup>@</sup> HEALTH SC A & P <sup>a</sup> Health Science 1/Level 3 <sup>@</sup> Health Science Anatomy & Physiology /Level 3	/Y	VO	1.0	
8417110	<sup>a</sup> HEALTH SCI 2/FOUND <sup>@</sup> HEALTH SC FOUNDS <sup>a</sup> Health Science 2/Level 2 <sup>@</sup> Health Science Foundations/Level 2	/Y	VO	1.0	
8417231	VISION CARE ASSIST 3 Vision Care Assisting 3/Level 3	/Y	VO	1.0	
8417232	VISION CARE ASSIST 4 Vision Care Assisting 4/Level 3	/Y	VO	1.0	
DIAGNOSTIC SERVICES CAREER PATH (HLPB)					
H170208	EKG TECH Electrocardiograph Technology	30, 31	/		LAB TECH @7 7 G LAB ASST @7 7 G PARAMEDIC @7 7 G REG NURSE 7 G EKG 7 G PRAC NURSE @7 %7 %G RESP THER @7 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0	
MEA0540	EKG AIDE EKG Aide	/S	VO	0.5	
MEA0541	EKG TECH EKG Technician	/S	VO	2.0	
H170204	ELECTRONEURODIAG Electroneurodiagnostic Technology	30, 31	/		ENCEPHALGH 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0	
ETN0005	ELECTRONEURODIAG 1 Electroneurodiagnostic Technologist 1	/Y	VO	1.0	
ETN0006	ELECTRONEURODIAG 2 Electroneurodiagnostic Technologist 2	/Y	VO	1.5	

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			REQUIREMENTS	GRADUATION									
ETN0007	ELECTRONEURODIAG 3 Electroneurodiagnostic Technologist 3	/Y	VO		1.5								
ETN0008	ELECTRONEURODIAG 4 Electroneurodiagnostic Technologist 4	/Y	VO		1.5								
ETN0009	ELECTRONEURODIAG 5 Electroneurodiagnostic Technologist 5	/Y	VO		1.5								
H170600	MED CLIN LAB--ATD Medical Clinical Laboratory Technician--ATD	30, 31	/										
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0								
MEA0520	PHLEBOTOMIST Phlebotomist	/S	VO		0.5								
MLT0009	INTRO MED LAB TECH Introduction to Medical Laboratory Technology	/Y	VO		0.5								
MLT0220	URIN & BODY FLUIDS Urinalysis and Body Fluids	/Y	VO		0.5								
MLT0335	HEMATOLOGY & HEMOST Hematology and Hemostasis	/Y	VO		1.5								
MLT0505	IMMUNOLOGY Immunology	/Y	VO		0.0								
MLT0640	CLINICAL CHEMISTRY Clinical Chemistry	/Y	VO		1.5								
MLT0520	IMMUNOHEMATOLOGY Immunohematology	/Y	VO		1.5								
MLT0450	MICROB & PARASIT Microbiology and Parasitology	/Y	VO		1.5								
H170400	MED ED SIM TECH Medical Education Simulator Technician	30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE							
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0								
HSC0061	INTRO TO CLIN MEST Introduction to Clinical Medical Education Simulator Technician	/Y	VO		0.0								
HSC0062	CLINICAL MEST 1 Clinical Medical Education Simulator Technician 1	/Y	VO		1.0								
HSC0063	CLINICAL MEST 2 Clinical Medical Education Simulator Technician 2	/Y	VO		1.0								
HSC0064	CLINICAL MEST 3 Clinical Medical Education Simulator Technician 3	/Y	VO		1.0								
H170306	MED LAB ASSIST Medical Laboratory Assisting (Postsecondary)	30, 31	/			LAB ASST	@7	7	G	LAB TECH	@7	7	G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO		1.0								
MEA0520	PHLEBOTOMIST Phlebotomist	/S	VO		0.5								

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
MEAO560	MEDICAL LAB ASST Medical Lab Assistant	/Y	VO	2.0		
H170302	PHLEBOTOMY Phlebotomy	30, 31	/		LAB ASST @7 7 G PARAMEDIC @7 7 G LAB TECH @7 7 G RESP THER @7 7 G	MED ASST @7 7 G PRAC NURSE @7 %7 %G REG NURSE 7 G TEC MED !7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0		
MEAO520	PHLEBOTOMIST Phlebotomist	/S	VO	0.5		
W170210	RADIOLOGIC TECH Radiologic Technology	30, 31	/		TEC X RAY @7 7 G	
RTE0004	FUNDS/RADIO TECH Fundamentals of Radiologic Technology	/Y	VO	0.5		
RTE0410	RADIO IMAGE & EXP I Radiographic Imaging & Exposure I	/Y	VO	0.5		
RTE0505	RADIOGRAPHIC PROC I Radiographic Procedures I	/Y	VO	0.5		
RTE0809	CLINICAL EDUCATION I Clinical Education I	/Y	VO	2.0		
RTE0450	RADIO IMAGE & EXP II Radiographic Imaging & Exposure II	/Y	VO	0.5		
RTE0506	RADIOGRAPHIC PROC II Radiographic Procedures II	/Y	VO	0.5		
RTE0507	RADIOGRAPHIC PROC III Radiographic Procedures III	/Y	VO	0.0		
RTE0819	CLINICAL EDU II Clinical Education II	/Y	VO	3.0		
RTE0015	ADV MODALITY IMAGE Advanced Modality Imaging	/Y	VO	0.0		
RTE0780	RADIO PATH & RESEARCH Radiographic Pathology & Directed Research	/Y	VO	0.5		
RTE0610	RADIATION PHYSICS Radiation Physics	/Y	VO	0.5		
RTE0829	CLINICAL EDU III Clinical Education III	/Y	VO	1.0		
RTE0839	ADV CLIN EDU IV Advanced Clinical Education IV	/Y	VO	2.0		
RTE0380	RAD BIO & PROTECT Radiation Biology & Radiation Protection	/Y	VO	0.0		
RTE0939	RADIOGRAPHY SEMINAR Radiography Seminar	/Y	VO	1.0		
RTE0849	ADV CLIN EDU V Advanced Clinical Education V	/Y	VO	2.0		
W170209	RADIO TEC Radiological Technician	30, 31	/		TEC X RAY @7 7 G	
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0		
RTE0070	X-RAY TECH 1 X-Ray Technician 1	/Y	VO	2.0		

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<sup>a</sup> RTE0071	X-RAY TECH 2 X-Ray Technician 2	/Y	VO	2.0	
<sup>a</sup> RTE0072	X-RAY TECH 3 X-Ray Technician 3	/Y	VO	2.0	
<sup>a</sup> RTE0073	RAD TECH 1 Radiology Technician 1	/Y	VO	2.5	
<sup>a</sup> RTE0074	RAD TECH 2 Radiology Technician 2	/Y	VO	2.5	
<sup>a</sup> RTE0075	RAD TECH 3 Radiology Technician 3	/Y	VO	2.5	
<sup>a</sup> RTE0076	RAD TECH 4 Radiology Technician 4	/Y	VO	2.5	
HEALTH INFORMATICS CAREER PATH (HLPC)					
<sup>a</sup> H170513	<sup>a</sup> HEALTH UNIT COOR PS Health Unit Coordinator (Postsecondary)	30, 31	/		PRAC NURSE @7 %7 %G REG NURSE 7 G MED RECTEC 7 G TEC MED !7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0	
HIM0076	HEALTH UNIT CLERK Health Unit Clerk	/Y	VO	2.5	
<sup>a</sup> H170107	HLTH UNIT/MONITOR Health Unit Coordinator/Monitor Technician	30, 31	/		REG NURSE 7 G TEC MED !7 G MED RECTEC 7 G
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0	
HIM0076	HEALTH UNIT CLERK Health Unit Clerk	/Y	VO	2.5	
HIM0090	MONITOR TECHNICIAN Monitor Technician	/Y	VO	0.5	
<sup>a</sup> H170526	<sup>a</sup> MED CODER/BILLER Medical Coder/Biller	30, 31	/		CER COD SP 7 G MED RECTEC 7 G MED ASST 7 G MED TRANS 7 G
HIM0009	INTRO TO H I T Introduction to Health Information Technology	/Y	VO	0.5	
<sup>a</sup> HIM0071	MEDICAL CODER/BILL 1 Medical Coder/Biller 1	/Y	VO	2.0	
<sup>a</sup> HIM0072	MEDICAL CODER/BILL 2 Medical Coder/Biller 2	/Y	VO	2.0	
<sup>a</sup> HIM0073	MEDICAL CODER/BILL 3 Medical Coder/Biller 3	/Y	VO	2.0	
<sup>a</sup> H170529	MED CODER/BILLER(NEW Medical Coder/Biller (New)	30, 31	/		CER COD SP 7 G MED RECTEC 7 G MED ASST 7 G MED TRANS 7 G
HIM0009	INTRO TO H I T Introduction to Health Information Technology	/Y	VO	0.5	
HIM0091	MED CODER/BILLER I Medical Coder/Biller I	/Y	VO	2.0	
HIM0092	MED CODER/BILLER II Medical Coder/Biller II	/Y	VO	2.0	



PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
HIM0093	MED CODER/BILLER III Medical Coder/Biller III	/Y	VO	2.0		
<sup>a</sup> H170528	MED CODER/BILLER-ATD Medical Coder/Biller-ATD	30, 31	/			
HIM0009	INTRO TO H I T Introduction to Health Information Technology	/Y	VO	0.5		
<sup>a</sup> HIM0071	MEDICAL CODER/BILL 1 Medical Coder/Biller 1	/Y	VO	2.0		
<sup>a</sup> HIM0072	MEDICAL CODER/BILL 2 Medical Coder/Biller 2	/Y	VO	2.0		
<sup>a</sup> HIM0073	MEDICAL CODER/BILL 3 Medical Coder/Biller 3	/Y	VO	2.0		
<sup>a</sup> H170530	MED CODER/BILLER-ATD Medical Coder/Biller-ATD (New)	30, 31	/			
HIM0009	INTRO TO H I T Introduction to Health Information Technology	/Y	VO	0.5		
HIM0091	MED CODER/BILLER I Medical Coder/Biller I	/Y	VO	2.0		
HIM0092	MED CODER/BILLER II Medical Coder/Biller II	/Y	VO	2.0		
HIM0093	MED CODER/BILLER III Medical Coder/Biller III	/Y	VO	2.0		
<sup>a</sup> H170506	<sup>a</sup> MED RECORD TRANSCRI ⑧MED RCD TRANS/HC DOC <sup>a</sup> Medical Record Transcribing ⑧Medical Record Transcribing/ Healthcare Documentation	30, 31	/		MED ASST 7 G MED TRANS 7 G	MED RECTEC 7 G
HIM0009	INTRO TO H I T Introduction to Health Information Technology	/Y	VO	0.5		
HIM0074	MED TRANSCRIB 1 Medical Transcriber 1	/Y	VO	2.0		
HIM0075	MED TRANSCRIB 2 Medical Transcriber 2	/Y	VO	2.0		
HIM0081	MED TRANSCRIB 3 Medical Transcriber 3	/Y	VO	2.0		
<sup>a</sup> H170508	<sup>a</sup> MED RCD TRANSCRI-ATD ⑧MED RCD/HC DOC-ATD <sup>a</sup> Medical Record Transcribing-ATD ⑧Medical Record Transcribing/Health care Documentation-ATD	30, 31	/			
HIM0009	INTRO TO H I T Introduction to Health Information Technology	/Y	VO	0.5		
HIM0002	MED TRANSCRIB 1 ATD Medical Transcriber 1 - ATD	/Y	VO	2.0		
HIM0083	MED TRANSCRIB 2 ATD Medical Transcriber 2 - ATD	/Y	VO	2.0		
HIM0084	MED TRANSCRIB 3 ATD Medical Transcriber 3 - ATD	/Y	VO	2.0		

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	CAREER AND TECHNICAL EDUCATION	
						REG NURSE	PARAMEDIC
----- BIOTECHNOLOGY RESEARCH & DEVELOPMENT CAREER PATH (HLPE) -----							
8708100	BIOMED SCIENCES Biomedical Sciences	9- 12, 30, 31 /			BIOLOGY 1 @2 MED PROF 7 G PLTW HEALT 7 G	REG NURSE 7 G PARAMEDIC @7 7 G	
8708110	PRIN BIOMED SCIENCE Principles of the Biomedical Sciences /Level 3	/	EQ	1.0			
8708120	HUMAN BODY SYSTEMS Human Body Systems/Level 3	/	EQ	1.0			
8708130	MED INTERVENTIONS Medical Interventions/Level 3	/	EQ	1.0			
8708140	BIOMED INNOVATION Biomedical Innovation/Level 3	/	VO	1.0			
----- GENERAL HEALTH SCIENCE PROGRAMS -----							
8400310	EXPL HLTH OCCS Exploration Of Health Occupations	6- 8	/S	VO	ANY HEALTH OCCUP G FAM CON SC 1	HEALTH 6	
8400210	EXPL HLTH OCCS & C P Exploration Of Health Occupations and Career Planning	6- 8	/S	VO	ANY HEALTH OCCUP G FAM CON SC 1	HEALTH 6	
8499990	HEALTH OCCS ED TRAN Health Occupations Education Transfer	9- 12, 30, 31 /			NA		
H000000	HEALTH OCCS ED TRAN Health Occupations Education Transfer	30, 31 /			NA		
8400410	HSE COOP - OJT Health Science Education Cooperative - OJT	10- 12, 30, 31/M	VO	MULTIPLE	ANY HEALTH OCCUP G		
H179999	HSE COOP - OJT Health Science Education Cooperative - OJT	30, 31 /			ANY HEALTH OCCUP G		
8400100	HSE DIR STUDY Health Science Education Directed Study	10- 12, 30, 31/M	VO	MULTIPLE	ANY HEALTH OCCUP G		
8709350	INTRO HEALTH SCI Introduction to Health Science	6- 8	/S	VO	MULTIPLE ANY HEALTH OCCUP G		
8709360	INTRO HEALTH SCI/CP Introduction to Health Science and Career Planning	6- 8	/S	VO	MULTIPLE ANY HEALTH OCCUP G		
8400320	MEDICAL SKLS SERS Medical Skills and Services/Level 2	9- 12, 30, 31 /Y	VO	1.0	ANY HEALTH OCCUP G HEALTH 6		
8400110	ORIEN TO HEALTH OCCS Orientation to Health Occupations	6- 8	/S	VO	HEALTH 6 ANY HEALTH OCCUP G		
8417106	ORIEN NUR Orientation to Nursing	6- 8	/S	VO	PRAC NURSE @7 %7 %G	REG NURSE 7 G	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
-----					
HOSPITALITY & TOURISM CAREER CLUSTER					
-----					
RESTAURANTS AND FOOD & BEVERAGE SERVICES CAREER PATH (HTPA)					
-----					
N100600	BAKING & PASTRY ARTS Baking and Pastry Arts	30, 31 /		FAM CON SC 1	CULINARY 7 G
FSS0090	PASTRY COOK/BAKER Pastry Cook/Baker	/Y	VO	2.0	
FSS0091	PASTRY CHEF/HD BAKER Pastry Chef/Head Baker	/Y	VO	2.0	
N100500	COMM FOODS & CUL ART Commercial Foods and Culinary Arts	30, 31 /		FAM CON SC 1	CULINARY 7 G
HMV0100	FOOD PREPARATION Food Preparation	/Y	VO	2.0	
HMV0170	COOK - RESTAURANT Cook - Restaurant	/Y	VO	2.0	
HMV0171	CHEF/HEAD COOK Chef/Head Cook	/Y	VO	2.0	
HMV0126	FOOD SERVICE MGMT Food Service Management	/Y	VO	2.0	
8800600	CUL & HOSP SPEC Culinary and Hospitality Specialties	9-12, 30, 31 /		FAM CON SC 1	CULINARY 7 G
8800610	CUL & HOSP SPEC 1 Culinary and Hospitality Specialties 1/Level 3	/Y	VO	1.0	
8800620	CUL & HOSP SPEC 2 Culinary and Hospitality Specialties 2/Level 2	/Y	VO	1.0	
8800500	CULINARY ARTS Culinary Arts	9-12, 30, 31 /		FAM CON SC 1	CULINARY 7 G
8800510	CULINARY ARTS 1 Culinary Arts 1/Level 2	/Y	VO	1.0	
8800520	CULINARY ARTS 2 Culinary Arts 2/Level 2	/Y	PA	1.0	
8800530	CULINARY ARTS 3 Culinary Arts 3/Level 3	/Y	PA	1.0	
8800540	CULINARY ARTS 4 Culinary Arts 4/Level 3	/Y	VO	1.0	
-----					
LODGING CAREER PATH (HTPB)					
-----					
N900100	DIET MGMT & SUPER Dietetic Management and Supervision	30, 31 /		FAM CON SC 1	SC FOOD SV 7 G
FSS0095	DIETARY MANAGER Dietary Manager	/Y	VO	2.0	
8524100	ENVIR SERS Environmental Services	9-12, 30, 31 /		HOMEMAKING c7 @2 %7 %G FAM CON SC 1 CUSTODIAL @7 7 G	BLDG MAINT @7 7 G HME EC OCC c7 CUST SERV 7 G

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8524110	ENVIRON SERVICES Environmental Services/Level 2	/Y	VO	1.0	
8524120	ENVIRON SER TECH Environmental Services Technology/ Level 2	/Y	VO	1.0	
V200610	ENVIR SERS Environmental Services	30, 31	/		HOMEMAKING c7 @2 %7 %G FAM CON SC 1 CUSTODIAL @7 7 G BLDG MAINT @7 7 G HME EC OCC c7 CUST SERV 7 G
HEV0510	JANITORS/CLEANERS Janitors/Cleaners	/Y	VO	1.0	
HEV0511	SUPERVISOR, JANITOR Supervisor, Janitor	/Y	VO	1.0	
8830300	LODGING OPS Lodging Operations	9- 12, 30, 31	/		HOTEL TRNG 7 G MKTG MGMT @7 7 G FAM CON SC 1 SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE TC COOP ED @7 MKTG 1 @2 BUS ED 1 @2
8850110	INTRO TO HOS TOUR Introduction to Hospitality and Tourism/Level 2	/Y	VO	1.0	
8830320	LODG PRIN Lodging Principles/Level 2	/Y	VO	1.0	
8845130	HOS & TOUR INTERN Hospitality and Tourism Internship/ Level 2 OR:	/Y	VO	1.0	
8800420	HOSP & TOUR COOP OJT Hospitality and Tourism Cooperative Education OJT/Level 2	/M	VO	MULTIPLE	
8830330	LODG APPL Lodging Applications/Level 3	/Y	VO	1.0	
M607010	LODGING OPS Lodging Operations	30, 31	/		HOTEL TRNG 7 G MKTG MGMT @7 7 G BUS ED 1 @2 SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE TC COOP ED @7 FAM CON SC 1 MKTG 1 @2
HMV0740	GUEST SERVICES AGENT Guest Services Agent	/Y	VO	1.0	
HMV0201	FRONT DESK AGENT Front Desk Agent	/Y	VO	2.0	
HMV0202	LODGING MANAGERS Lodging Managers	/Y	VO	1.0	
V200404	NUTRIT & DIET SERS Nutrition and Dietetic Services	30, 31	/		HOMEMAKING c7 @2 %7 %G HME EC OCC c7 %7 %G SC FOOD SV 7 G QUAN FOOD c7 %7 %G FAM CON SC 1
HEV0610	DIET CLERK Diet Clerk	/Y	VO	1.0	
8530000	NUTRIT & DIET SERS Nutrition and Dietetic Services/ Level 2	9- 12, 30, 31	/Y	VO	1.0 HOMEMAKING c7 @2 QUAN FOOD c7 SC FOOD SV 7 G HME EC OCC c7 FAM CON SC 1

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
TRAVEL & TOURISM CAREER PATH (HTPC)					
8845100	HOSPITALITY & TOUR Hospitality and Tourism	9-12, 30, 31 /			TC COOP ED @7 HOTEL TRNG 7 G FAM CON SC 1 MKTG 1 @2 TRANSPORT @7 7 G MKTG MGMT @7 7 G BUS ED 1 @2
8850110	INTRO TO HOS TOUR Introduction to Hospitality and Tourism/Level 2	/Y	VO	1.0	
8845140	COMP TECH TRA TOUR Computer Technology for Travel and Tourism/Level 2	/Y	VO	1.0	
8845130	HOS & TOUR INTERN Hospitality and Tourism Internship/ Level 2 OR:	/Y	VO	1.0	
8800420	HOSP & TOUR COOP OJT Hospitality and Tourism Cooperative Education OJT/Level 2	/M	VO	MULTIPLE	
8845120	TRA & TOUR MKT MGMT Travel and Tourism Marketing Management/Level 3	/Y	VO	1.0	
MB11040	HOSPITALITY & TOUR Hospitality and Tourism	30, 31 /			TC COOP ED @7 HOTEL TRNG 7 G FAM CON SC 1 MKTG 1 @2 TRANSPORT @7 7 G MKTG MGMT @7 7 G BUS ED 1 @2
HMV0740	GUEST SERVICES AGENT Guest Services Agent	/Y	VO	1.0	
HMV0741	RESV & TRANS AGENT Reservation and Transportation Agent	/Y	VO	2.0	
HMV0038	TRAVEL CONSULTANT Travel Consultant	/Y	VO	1.0	
MB11058	TRA & TOUR MGMT-ATD Travel and Tourism Management-ATD	30, 31 /			
HMV0743	RESERVATIONS AGENT Reservations Agent	/Y	VO	1.5	
HMV0051	TRAVEL AGENT/CONSULT Travel Agent/Consultant	/Y	VO	1.5	
GENERAL PROGRAMS					
8850350	EXPL HOSP & TOUR Exploring Hospitality and Tourism Careers	6-8 /S	VO	MULTIPLE	FAM CON SC 1 HOTEL TRNG 7 G
8850360	EXPL HOSP & TOUR/CP Exploring Hospitality and Tourism Careers and Career Planning	6-8 /S	VO	MULTIPLE	FAM CON SC 1 HOTEL TRNG 7 G
8809200	FUND OF CUL CAREERS Fundamentals of Culinary Careers	6-8 /S	VO	MULTIPLE	FAM CON SC 1 CULINARY 7 G

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

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					CREDIT	CERTIFICATION	
8809300	FUND OF CUL CAR & CP Fundamentals of Culinary Careers and Career Planning	6-8 /S	VO	MULTIPLE	FAM CON SC	1	CULINARY 7 G
8800420	HOSP & TOUR OJT Hospitality and Tourism Cooperative Education OJT	9-12, 30, 31 /M	VO	MULTIPLE	HOMEMAKING @2 c7 QUAN FOOD c7 %7 %G ANY HOME EC/TC COOP ED E G CULINARY 7 G MKTG 1 @2 TC COOP ED @7 SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE		HME EC OCC c7 FAM CON SC 1 HOTEL TRNG 7 G MKTG MGMT @7 7 G BUS ED 1 @2
N509999	HOSP & TOUR OJT Hospitality and Tourism Cooperative Education OJT	30, 31 /		MULTIPLE	HME EC OCC c7 %7 %G QUAN FOOD c7 %7 %G TC COOP ED @7 HOTEL TRNG 7 G BUS ED 1 @2 SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE		HOMEMAKING c7 @2 %7 %G FAM CON SC 1 MKTG 1 @2 MKTG MGMT @7 7 G
8801000	HOSP & TOUR DIR ST Hospitality and Tourism Directed Study	1112, 30, 31 /M	VO	MULTIPLE	ANY HOME ECONOMICS ED G PK PRIMARY H FAM CON SC 1 HOTEL TRNG 7 G TC COOP ED @7 SC FOOD SV 7 G		PRIMARY ED @B CULINARY 7 G MKTG MGMT @7 7 G MKTG 1 @2
8809400	INTRO TO NUTRITION Introduction to Nutrition/Level 2	1112, 30, 31 /Y	PA	0.5	FAM CON SC	1	SC FOOD SV 7 G
8500355	NUTRITION & WELLNESS Nutrition and Wellness/Level 2	9-12, 30, 31 /S	VO	0.5	FAM CON SC	1	CULINARY 7 G
8500390	PRIN FOOD PREPR Principles Of Food Preparation/ Level 2	9-12, 30, 31 /S	VO	0.5	FAM CON SC	1	CULINARY 7 G
APPRENTICESHIP PROGRAMS							
I20041R	CMCL FOODS - APPR Commercial Foods - Apprenticeship	30, 31 /					
I20040R	CMCL FD& CU ART-APPR Commercial Foods and Culinary Arts - Apprenticeship	30, 31 /					
V20040R	CUL OPS - APPR Culinary Operations - Apprenticeship	30, 31 /					

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
-----   HUMAN SERVICES CAREER CLUSTER   -----						
FAMILY & COMMUNITY SERVICES CAREER PATH (HMPC) -----						
8500345	FAMILY DYNAMICS Family Dynamics/Level 2	9-12, 30, 31 /S	VO	0.5	FAM CON SC 1	
8500365	FAMILY HME CONS TECH Family, Home and Consumer Technology /Level 2	9-12, 30, 31 /Y	VO	1.0	FAM CON SC 1	
8502000	LIF MGMT SKL Life Management Skills/Level 2	9-12, 30, 31 /S	VO	0.5	FAM CON SC 1 REG NURSE G	PRAC NURSE @7 7 G HEALTH 6
8500300	PARENT SKLS Parenting Skills/Level 2	9-12, 30, 31 /S	VO	0.5	E CHILD ED @0 FAM CON SC 1 PK PRIMARY H	PRESCH ED A PRIMARY ED @B
PERSONAL CARE SERVICES CAREER PATH (HMPD) -----						
D500200	ADVANCED ESTHETICS Advanced Esthetics	30, 31 /			COSMETOL @7 7 G FACIAL TEC 7 G	PERS SERV @7 7 G
CSP0105	ADV SKIN CARE 1 Advanced Skin Care 1		/Y VO	1.0		
CSP0106	ADV SKIN CARE 2 Advanced Skin Care 2		/Y VO	1.0		
CSP0264	FACIAL TREATMENTS Facial Treatments		/Y VO	1.0		
CSP0930	SPECIALTY TOPICS Specialty Topics		/Y VO	0.0		
CSP0505	ETHICAL BUS PRACTICE Ethical Business Practices		/Y VO	0.0		
CSP0940	INTERNSHIP Internship		/Y VO	0.0		
8757100	BARBERING Barbering	9-12, 30, 31 /			BARBERING 7 G	PERS SERV @7 7 G
8757110	BARBERING 1 Barbering 1/Level 2		/Y PA	1.0		
8757120	BARBERING 2 Barbering 2/Level 2		/Y PA	1.0		
8757130	BARBERING 3 Barbering 3/Level 2		/Y VO	1.0		
8757140	BARBERING 4 Barbering 4/Level 2		/Y VO	1.0		
8757150	BARBERING 5 Barbering 5/Level 2		/Y VO	1.0		
8757160	BARBERING 6 Barbering 6/Level 2		/Y VO	1.0		
8757170	BARBERING 7 Barbering 7/Level 2		/Y PA	1.0		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

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			GRADUATION REQUIREMENTS			
8757180	BARBERING 8 Barbering 8/Level 2	/Y	PA		1.0	
I120402	BARBERING Barbering	30, 31	/			BARBERING 7 G PERS SERV @7 7 G
COS0150	RESTRICTED BARBER 1 Restricted Barber 1	/Y	VO		2.0	
COS0151	RESTRICTED BARBER 2 Restricted Barber 2	/Y	VO		2.0	
COS0152	RESTRICTED BARBER 3 Restricted Barber 3	/Y	VO		2.0	
COS0671	BARBER Barber	/Y	VO		2.0	
8905100	COSMETOLOGY Cosmetology	9- 12, 30, 31	/			COSMETOL @7 7 G PERS SERV @7 7 G
8757210	GROOM & SAL SERS 1 Grooming and Salon Services Core 1/ Level 2	/S	PA		0.5	
8905120	COSMETOLOGY NAILS 2 Cosmetology Nails 2, Level 2	/S	PA		0.5	
8905130	COSMETOLOGY FACIALS Cosmetology Facials 3, Level 2	/S	PA		0.5	
8905140	COSMETOLOGY 4 Cosmetology 4, Level 2	/Y	PA		1.0	
8905150	COSMETOLOGY 5 Cosmetology 5, Level 2	/Y	PA		1.0	
8905160	COSMETOLOGY 6 Cosmetology 6, Level 2	/Y	PA		1.0	
8905170	COSMETOLOGY 7 Cosmetology 7, Level 2	/Y	PA		1.0	
8905180	COSMETOLOGY 8 Cosmetology 8, Level 2	/Y	PA		1.0	
8905190	COSMETOLOGY 9 Cosmetology 9, Level 2	/M	PA		1.5	
D500100	COSMETOLOGY Cosmetology	30, 31	/			COSMETOL @7 7 G PERS SERV @7 7 G
CSP0009	GROOM & SALON SRV CR Grooming and Salon Services, (CORE) Facials and Nails	/Y	PA		1.5	
COS0002	COSMETOLOGIST 1 Cosmetologist and Hairdresser 1	/Y	VO		2.0	
COS0003	COSMETOLOGIST 2 Cosmetologist and Hairdresser 2	/Y	VO		2.0	
COS0009	COSMETOLOGIST 3 Cosmetologist and Hairdresser 3	/Y	VO		2.5	
8733000	DRY CLEAN & LAUND Dry Cleaning and Laundering	9- 12, 30, 31	/			DRY CLEAN 7 G FAB MAINT @7 7 G
8733010	DRY CLEAN & LAUND 1 Dry Cleaning and Laundering 1/Level 2	/Y	VO		1.0	
8733020	DRY CLEAN & LAUND 2 Dry Cleaning and Laundering 2/Level 2	/Y	VO		1.0	
8733030	DRY CLEAN & LAUND 3 Dry Cleaning and Laundering 3/Level 2	/Y	VO		1.0	



## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
I120101	DRY CLEANING & LAUND Dry Cleaning and Laundering	30, 31	/			DRY CLEAN 7 G FAB MAINT @7 7 G
HEV0540	LAUND, DRY CLEAN MAC Laundry, Dry Cleaning Machine Operator		/Y	VO	3.0	
8757400	FACIALS SPEC Facials Specialty	9-12, 30, 31	/			COSMETOL @7 7 G FACIAL TEC 7 G PERS SERV @7 7 G
8757210	GROOM & SAL SERS 1 Grooming and Salon Services Core 1/ Level 2		/S	PA	0.5	
8757410	FACIALS SPECT 2 Facials Specialty 2/Level 2		/S	VO	0.5	
8757420	FACIALS SPECT 3 Facials Specialty 3/Level 2		/Y	VO	1.0	
I120424	FACIALS SPECIALTY Facials Specialty	30, 31	/			COSMETOL @7 7 G FACIAL TEC 7 G PERS SERV @7 7 G
CSP0265	FACIALS/SKIN CARE SP Facials/Skin Care Specialist		/Y	PA	2.0	
8757300	NAILS SPEC Nails Specialty	9-12, 30, 31	/			COSMETOL @7 7 G NAIL TEC 7 G PERS SERV @7 7 G
8757210	GROOM & SAL SERS 1 Grooming and Salon Services Core 1/ Level 2		/S	PA	0.5	
8757310	NAILS SPECT 2 Nails Specialty 2/Level 2		/S	VO	0.5	
8757320	NAILS SPECT 3 Nails Specialty 3/Level 2		/Y	VO	1.0	
I120414	NAILS SPECIALTY Nails Specialty	30, 31	/			COSMETOL @7 7 G NAIL TEC 7 G PERS SERV @7 7 G
CSP0015	MANICUR & PEDICUR Manicurist and Pedicurist		/Y	PA	2.0	

## CONSUMER SERVICES CAREER PATH (HMPE)

H170205	FAM HLTH SPT WKR-ATD Family Health Support Worker-ATD	30, 31	/			
HUS0090	HUMAN SERVICES CORE Human Services Core		/S	VO	0.5	
PRN0122	FAM HLTH SPT WKR 1 Family Health Support Worker 1		/Y	VO	1.5	
PRN0123	FAM HLTH SPT WKR 2 Family Health Support Worker 2		/Y	VO	1.5	
H170408	UNIT TRTMT REHAB-ATD Unit Treatment and Rehabilitation-ATD	30, 31	/			
HUS0090	HUMAN SERVICES CORE Human Services Core		/S	VO	0.5	
HCP0811	PSYCHIATRIC TECH 1 Psychiatric Technician 1		/Y	VO	2.0	
HCP0812	PSYCHIATRIC TECH 2 Psychiatric Technician 2		/Y	VO	2.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						COURSES MEETING	SUBJECT AREA
SUPPLEMENTAL PROGRAMS							
8500140	CAR DISC Career Discovery	6-8 /S	VO	MULTIPLE	FAM CON SC 1		
8599990	FAM & CONS SCI TRAN Family and Consumer Sciences Transfer	9-12, 30, 31 /			NA		
V000000	FAM & CONS SCI TRAN Family and Consumer Sciences Transfer	30, 31 /			NA		
8960300	FUND OF HUMAN SERV Fundamentals of Human Service Career	6-8 /S	VO	MULTIPLE	FAM CON SC 1		
8900420	HUMAN SERVICES OJT Human Services Cooperative Education	9-12, 30, 31 /M	VO	MULTIPLE	HOMEMAKING c7 @2 %7 %G FAM CON SC 1	HME EC OCC c7 %7 %G BARBERING 7 G	
D609999	HUMAN SERVICES OJT Human Services Cooperative Education	30, 31 /			COSMETOL @7 7 G HOMEMAKING c7 @2 %7 %G FAM CON SC 1	PERS SERV @7 7 G HME EC OCC c7 %7 %G BARBERING 7 G	
8901000	HUMAN SERVICES DS Human Services Directed Study	1112, 30, 31 /M	VO	MULTIPLE	HOMEMAKING c7 %7 %G FAM CON SC 1 COSMETOL @7 7 G	PERS SERV @7 7 G HME EC OCC c7 %7 %G BARBERING 7 G	
8960350	INTRO HUMAN SERVICES Introduction to Human Service Career	6-8 /S	VO	MULTIPLE	FAM CON SC 1		
8960360	INTRO HUMAN SER/CP Introduction to Human Service Career and Career Planning	6-8 /S	VO	MULTIPLE	FAM CON SC 1		
8500230	PERSONAL DEV Personal Development	6-8 /S	VO		FAM CON SC 1	HEALTH	6
8500430	PERSONAL DEV & CAR P Personal Development and Career Planning	6-8 /S	VO		FAM CON SC 1	HEALTH	6

## INFORMATION TECHNOLOGY (IT) CAREER CLUSTER

## NETWORK SYSTEMS CAREER PATH (ITPA)

9001300	APPLIED CYBERSECURIT Applied Cybersecurity	9-12, 30, 31 /			BUS ED 1 @2 CYBER TECH 7 G	COMPU SCI 6 INFO TECH 7 G	
9001310	IT FUNDAMENTALS IT Fundamentals/ Level 2 OR	/Y	VO	1.0			
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2	/Y	PA	1.0			
9001320	<sup>@</sup> Digital Information Technology/ Level 2 CPT & NET SECURITY Computer and Network Security Fundamentals/Level 3	/Y	VO	1.0			

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
9001330	CYBERSECURITY ESSEN Cybersecurity Essentials/Level 3	/Y	VO		1.0	
9001340	OPERATIONAL CYBERSEC Operational Cybersecurity/Level 3	/Y	VO		1.0	
9001350	CYBER PLAN & ANLY Cybersecurity Planning & Analysis/ Level 3	/Y	VO		1.0	
9001360	DATABASE SECURITY Database Security/Level 3	/Y	VO		1.0	
9001370	SOFT & APP SECURITY Software & Application Security/ Level 3	/Y	VO		1.0	
9001380	WEB SECURITY Web Security/Level 3	/Y	VO		1.0	
9001390	APPLD CYBER APPS Applied Cybersecurity Applications/ Level 3	/Y	VO		1.0	
Y100300	APPLIED CYBERSECURIT Applied Cybersecurity	9- 12, 30, 31 /				
CTS0018	CYBERSECURITY ASSC Cybersecurity Associate	/Y	VO		4.0	
CTS0019	INFO SECURITY MGR Information Security Manager	/Y	VO		1.0	
CTS0021	DATA SECURITY SPEC Data Security Specialist	/Y	VO		1.0	
CTS0060	SOFT SECURITY SPEC Software Security Specialist	/Y	VO		1.0	
CTS0085	WEB SECURITY SPEC Web Security Specialist	/Y	VO		1.0	
CTS0089	INFO SECURITY ADMIN Information Security Administrator	/Y	VO		1.0	
Y100400	CLOUD CPT/VIRTUALIZA Cloud Computing and Virtualization	30, 31 /				
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA		1.0	
EEV0504	CPT SUPPORT ASST Computer Support Assistant	/Y	VO		1.0	
CTS0026	NET SUPPORT TECH Network Support Technician	/Y	VO		1.0	
CTS0054	CLOUD ANALYSIS Cloud Analysis	/Y	VO		1.0	
CTS0056	CLOUD VIRTUAL SPEC Cloud Virtualization Specialist	/Y	VO		2.0	
9001200	CPT SYS & INFO TECH Computer Systems & Information Technology (CSIT)	9- 12, 30, 31 /				
a8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO		0.5	
a8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO		0.5	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA		1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
9001210	CSIT FOUNDATIONS CSIT Foundations/Level 3	/Y	VO		1.0	
9001220	CSIT SYS ESSENTIALS CSIT System Essentials/Level 3	/Y	VO		1.0	
9001230	CSIT NET SYS CONFIG CSIT Network System Configuration/ Level 3	/Y	VO		1.0	
9001240	CSIT NET SYS DSG/ADM CSIT Network System Design and Administration/Level 3	/Y	VO		1.0	
9001250	CSIT CYBER SEC ESSEN CSIT Cyber Security Essentials/ Level 3	/Y	VO		1.0	
9001260	CSIT CYBER SEC-PHYSI CSIT Cyber Security-Physical/Level 3	/Y	VO		1.0	
Y100200	CPT SYS & INFO TECH Computer Systems & Information Technology (CSIT)	30, 31	/			COMP SVC 7 G CYBER TECH 7 G COMPU SCI 6
CTS0082	CPT SYSTEMS TECH Computer Systems Technician	/Y	VO		2.0	
CTS0083	CPT NETWORK TECH Computer Network Technician	/Y	VO		1.0	
CTS0084	CPT NETWORKING SPEC Computer Networking Specialist	/Y	VO		1.0	
CTS0069	CPT SECURITY TECH Computer Security Technician	/Y	VO		2.0	
<sup>a</sup> 8732100	<sup>a</sup> CPTR SYSS TECH Computer Systems Technology	9-12, 30, 31	/			BUS MACH 7 G ELECTRONIC @7 7 G
<sup>a</sup> 8732110	CPT SYSS TECH 1 Computer Systems Technology 1/Level 3	/Y	VO		1.0	
<sup>a</sup> 8732120	CPT SYSS TECH 2 Computer Systems Technology 2/Level 3	/Y	VO		1.0	
<sup>a</sup> 8732130	CPT SYSS TECH 3 Computer Systems Technology 3/Level 3	/Y	VO		1.0	
<sup>a</sup> 8732140	CPT SYSS TECH 4 Computer Systems Technology 4/Level 3	/Y	VO		1.0	
<sup>a</sup> 8732150	CPT SYSS TECH 5 Computer Systems Technology 5/Level 3	/Y	VO		1.0	
<sup>a</sup> 8732160	CPT SYSS TECH 6 Computer Systems Technology 6/Level 3	/Y	VO		1.0	
<sup>a</sup> 8732170	CPT SYSS TECH 7 Computer Systems Technology 7/Level 3	/Y	VO		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					CREDIT	CERTIFICATION	
<sup>a</sup> 8732180	CPT SYSS TECH 8 Computer Systems Technology 8/Level 3	/Y	VO	1.0			
<sup>a</sup> 8732190	CPT SYSS TECH 9 Computer Systems Technology 9/Level 3	/Y	VO	1.0			
<sup>a</sup> 8732191	CPT SYSS TECH 10 Computer Systems Technology 10/ Level 3	/Y	VO	1.0			
<sup>a</sup> 8732192	CPT SYSS TECH 11 Computer Systems Technology 11/ Level 3	/Y	VO	1.0			
<sup>a</sup> I470104	<sup>a</sup> CPT SYSS TECH Computer Systems Technology	30, 31	/		COMP SVC BUS MACH	7 G 7 G	ELECTRONIC @7 7 G INFO TECH 7 G
<sup>a</sup> EEV0501	END USER SPT TECH End User Support Technician	/Y	VO	3.0			
<sup>a</sup> EEV0502	PC ELECT INSTALLER PC Electronics Installer	/Y	VO	1.0			
<sup>a</sup> EEV0503	CPT SUP SPEC-LAN Computer Support Specialist - LAN Technician	/Y	VO	2.0			
<sup>a</sup> EEV0506	FIELD SERVICE TECH Field Service Technician	/Y	VO	2.0			
<sup>a</sup> EEV0508	DIGITAL ELECT TECH Digital Electronics Technician	/Y	VO	3.0			
<sup>a</sup> J500100	<sup>a</sup> CPT SYSS TECH 1 Computer Systems Technology 1	30, 31	/		COMP SVC BUS MACH	7 G 7 G	ELECTRONIC @7 7 G INFO TECH 7 G
<sup>a</sup> EEV0501	END USER SPT TECH End User Support Technician	/Y	VO	3.0			
<sup>a</sup> EEV0502	PC ELECT INSTALLER PC Electronics Installer	/Y	VO	1.0			
<sup>a</sup> EEV0503	CPT SUP SPEC-LAN Computer Support Specialist - LAN Technician	/Y	VO	2.0			
<sup>a</sup> J500200	<sup>a</sup> CPT SYSS TECH 2 Computer Systems Technology 2	30, 31	/		COMP SVC BUS MACH	7 G 7 G	ELECTRONIC @7 7 G INFO TECH 7 G
<sup>a</sup> EEV0506	FIELD SERVICE TECH Field Service Technician	/Y	VO	2.0			
<sup>a</sup> EEV0508	DIGITAL ELECT TECH Digital Electronics Technician	/Y	VO	3.0			
9005100	DIGITAL MEDIA TECH Digital Media Technology	9- 12, 30, 31	/		BUS ED INFO TECH	1 @2 7 G	DIGI MEDIA 7 G
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0			
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5			
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5			

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
9005110	DIG MEDIA FUNDAMENTA Digital Media Fundamentals/Level 3	/Y	VO	1.0	
9005120	DIG MEDIA PROD SYS Digital Media Production Systems/ Level 3	/Y	VO	1.0	
9005130	DIG MEDIA DELIVERY Digital Media Delivery Systems/ Level 3	/Y	VO	1.0	
9005140	ADV DIG MEDIA SYSTEM Advanced Digital Media Systems/ Level 3	/Y	VO	1.0	
Y500100	DIGITAL MEDIA TECH Digital Media Technology	30, 31	/		BUS ED 1 @2 INFO TECH 7 G DIGI MEDIA 7 G
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
DIG0080	DIGITAL MEDIA TECH Digital Media Techni ci an	/Y	VO	4.0	
8208000	NETWK SUPPORT SERS Network Support Services	9- 12, 30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G CLERICAL @7 7 G TEC ELEC \$7 COMP SVC 7 G VOE @7 BUS DP @7 %G BOOKKEEPIN @4 7 G SECRETAR 7 G COMPU SCI 6
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
8207020	NETWORKING 1 Networking 1/Level 2	/Y	VO	1.0	
8207030	NETWORKING 2 INFRAST Networking 2, Infrastructure/Level 3	/Y	VO	1.0	
8207040	NETWORKING 3 INFRAST Networking 3, Infrastructure/Level 3	/Y	VO	1.0	
8207050	NETWORKING 4 INFRAST Networking 4, Infrastructure/Level 3	/Y	VO	1.0	
8207060	NETWORKING 5 Networking 5/Level 3	/Y	VO	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8207070	NETWORKING 6 Networking 6/Level 3	/Y	VO	1.0	
B078000	NETWK SPT SERS Network Support Services	30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G CLERICAL @7 7 G TEC ELEC \$7 COMP SVC 7 G VOE @7 BUS DP @7 %G BOOKKEEPIN @4 7 G SECRETAR 7 G COMPU SCI 6
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
EEV0504	CPT SUPPORT ASST Computer Support Assistant	/Y	VO	1.0	
CTS0022	NET SPT HELP DESK AS Network Support Help Desk Assistant	/Y	VO	1.0	
CTS0023	NET SPT ADMIN Network Support Administrator	/Y	VO	1.0	
CTS0024	SR NET ADMINISTRATOR Senior Network Administrator	/Y	VO	1.0	
CTS0029	WI RELESS NET ADMIN Wireless Network Administrator	/Y	VO	1.0	
EEV0317	DATA COMM ANALYST Data Communications Analyst	/Y	VO	1.0	
8207440	NETWK SYSS ADMIN Network Systems Administration	9- 12, 30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G CLERICAL @7 7 G TEC ELEC \$7 COMP SVC 7 G VOE @7 BUS DP @7 %G BOOKKEEPIN @4 7 G SECRETAR 7 G COMPU SCI 6
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
8207020	NETWORKING 1 Networking 1/Level 2	/Y	VO	1.0	
8207441	NETWORKING 2 ADMIN Networking 2, Administration/Level 3	/Y	VO	1.0	
8207442	NETWORKING 3 ADMIN Networking 3, Administration/Level 3	/Y	VO	1.0	
8207443	NETWORKING 4 ADMIN Networking 4, Administration/Level 3	/Y	VO	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8207060	NETWORKING 5 Networking 5/Level 3	/Y	VO	1.0	
8207070	NETWORKING 6 Networking 6/Level 3	/Y	VO	1.0	
B079300	NETWK SYSS ADMIN Network Systems Administration	30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G CLERICAL @7 7 G TEC ELEC \$7 COMP SVC 7 G VOE @7 BUS DP @7 %G BOOKKEEPIN @4 7 G SECRETAR 7 G COMPU SCI 6
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
EEV0504	CPT SUPPORT ASST Computer Support Assistant	/Y	VO	1.0	
CTS0026	NET SUPPORT TECH Network Support Technician	/Y	VO	1.0	
CTS0027	SYSTEMS ADMIN Systems Administrator	/Y	VO	1.0	
CTS0028	SYSTEMS ENGINEER Systems Engineer	/Y	VO	1.0	
CTS0029	WI RELESS NET ADMIN Wireless Network Administrator	/Y	VO	1.0	
EEV0317	DATA COMM ANALYST Data Communications Analyst	/Y	VO	1.0	
<sup>a</sup> 8207340	<sup>a</sup> PC SUPPORT SERVICES PC Support Services	9- 12, 30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G CLERICAL @7 7 G TEC ELEC \$7 ACCTING @7 VOE @7 BUS DP @7 %G BOOKKEEPIN @4 7 G SECRETAR 7 G COMPU SCI 6 MANAG SUPV @7
<sup>a</sup> 8200320	<sup>a</sup> APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	
<sup>a</sup> 8200330	<sup>a</sup> APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5	
<sup>a</sup> 8209020	<sup>a</sup> CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>®</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>®</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
<sup>a</sup> 8207210	<sup>a</sup> PC SUPPORT 1 PC Support 1/Level 2	/Y	VO	1.0	
<sup>a</sup> 8207220	<sup>a</sup> PC SUPPORT 2 PC Support 2/Level 3	/Y	VO	1.0	
<sup>a</sup> 8207230	<sup>a</sup> PC SUPPORT 3 PC Support 3/Level 3	/Y	VO	1.0	



## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
<sup>a</sup> 8207240	PC SUPPORT 4 PC Support 4/Level 3	/Y	VO	1.0	
<sup>a</sup> 8207250	PC SUPPORT 5 PC Support 5/Level 3	/Y	VO	1.0	
<sup>a</sup> B070400	<sup>a</sup> PC SUPPORT SERS PC Support Servi ces	30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G CLERICAL @7 7 G TEC ELEC \$7 ACCTING @7 VOE @7 BUS DP @7 %G BOOKKEEPIN @4 7 G SECRETAR 7 G COMPU SCI 6 MANAG SUPV @7
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
<sup>a</sup> CTS0086	HELP DESK SPT ASST Help Desk Support Assistant	/Y	VO	2.0	
<sup>a</sup> CTS0087	HELP DESK TECH Help Desk Techni cian	/Y	VO	2.0	
<sup>a</sup> CTS0088	HELP DESK ANALYST Help Desk Analyst	/Y	VO	1.0	
9001400	TECH SUPPORT SERVICE Technology Support Services	9- 12, 30, 31 /			BUS ED 1 @2 INFO TECH 7 G COMPU SCI 6
9001410	IT ESSENTIALS IT Essentials/Level 2	/Y	VO	1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Di gital Information Technology/ Level 2	/Y	PA	1.0	
9001420	TECH SUPPORT-CLIENT Technology Support Services - Client Systems/Level 3	/Y	VO	1.0	
9001430	TECH SUPPORT-NETWORK Technology Support Services - Network Systems/Level 3	/Y	VO	1.0	
9001440	TECH SUPPORT-SPLZ TE Technology Support Services - Speci alized Technologies/Level 3	/Y	VO	1.0	
Y100100	TECH SUPPORT SERVICE Technology Support Services	30, 31 /			BUS ED 1 @2 INFO TECH 7 G COMPU SCI 6
CTS0059	TECH SUPPORT SPEC Technology Support Specialist	/Y	VO	4.0	
INFORMATION SUPPORT & SERVICES CAREER PATH (ITPB)					
9003400	APPL INFO TECH Applied Information Technology	9- 12, 30, 31 /			BUS ED 1 @2 INFO TECH 7 G COMPU SCI 6
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO		0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA		1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
9003410	COMPUTER FUNDAMENTAL Computer Fundamentals/ Level 2	/Y	PA		1.0	
9003420	WEB TECHNOLOGIES Web Technologies/ Level 3	/Y	PA		1.0	
9003430	IT SYS & APPS IT Systems and Applications/Level 3	/Y	VO		1.0	
9003440	DATABASE ESSENTIALS Database Essentials/Level 3	/Y	VO		1.0	
9003450	PROG ESSENTIALS Programming Essentials/Level 3	/Y	VO		1.0	
9003460	WEB DEV TECH Web Development Technologies/ Level 3	/Y	PA		1.0	
9003470	MULTIMEDIA TECH Multimedia Technologies/Level 3	/Y	PA		1.0	
9003480	CPT NETWORK FUND Computer Network Fundamentals/Level 3	/Y	VO		1.0	
9003490	CYBERSECURITY FUND Cybersecurity Fundamentals/Level 3	/Y	VO		1.0	
Y300400	APPL INFO TECH Applied Information Technology	30, 31	/			BUS ED 1 @2 INFO TECH 7 G COMPU SCI 6
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA		1.0	
CTS0072	IT & WEB SYSTEMS IT & Web Systems	/Y	VO		2.0	
CTS0063	DATABASE ESSENTIALS Database Essentials	/Y	VO		1.0	
CTS0030	PROGRAMMING FUNDS Programming Fundamentals	/Y	VO		1.0	
CTS0073	WEB DEVELOP FUNDS Web Development Fundamentals	/Y	PA		1.0	
CTS0075	MULTIMEDIA SYSTEMS Multimedia Systems	/Y	PA		1.0	
CTS0025	COMPUTER NETWORKING Computer Networking	/Y	VO		1.0	
CTS0068	CYBERSECURITY ESSEN Cybersecurity Essentials	/Y	VO		1.0	
8206400	DATAB PGM ESSEN Database and Programming Essentials	9- 12, 30, 31 /				BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO		0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO		0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA		1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
8206410	DATAB FUND Database Fundamentals/Level 2	/S	VO		0.5	
8206420	DATA CONTROL & FUNC Data Control and Functions/Level 2	/S	VO		0.5	
8206430	SPELZD DATAB PRGM Specialized Database Programming/ Level 3	/Y	VO		1.0	
8206440	SPELZD DATAB APPS Specialized Database Applications/ Level 3	/Y	VO		1.0	
Y300100	DATAB PGM ESSEN Database and Programming Essentials	30, 31	/			BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA		1.0	
CTS0046	DATABASE FUNDAMENTAL Database Fundamentals	/Y	VO		1.0	
CTS0047	SPEC DATABASE PROG Specialized Database Programming	/Y	VO		1.0	
CTS0067	SPEC DATABASE APPS Specialized Database Applications	/Y	VO		1.0	
8600200	GIS TECH Geospatial/Geographic Information Systems (GIS) Technology	9-12, 30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
8600260	INTRO TO GIS/RS TECH Introduction to GIS/RS Technology/ Level 2	/Y	VO		1.0	
8600270	ESS GIS/RS TOOLS/PRO Essential GIS/RS Tools and Processes /Level 2	/Y	VO		1.0	
8600280	GIS/RS ANAL & MODEL GIS/RS Analysis and Modeling/Level 2	/Y	PA		1.0	
8600290	ADV GIS/RS APPS Advanced GIS/RS Applications/Level 2	/Y	PA		1.0	
T860020	GIS TECH Geospatial/Geographic Information Systems (GIS) Technology	30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION	
			GRADUATION REQUIREMENTS				
GIS0090	GIS TECH ASST GIS Technician Assistant	/Y	PA		2.0		
GIS0091	GIS TECHNICIAN GIS Technician	/Y	PA		2.0		
<sup>a</sup> 8207300	<sup>a</sup> INFORMATION TECH Information Technology	9- 12, 30, 31 /				BUS ED ELECT DP	1 @2 @7 %G BUS DP COMPU SCI @7 %G 6
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA		1.0		
<sup>a</sup> 8207320	IT PGM/DATAB IT Programming/Database/Level 3	/Y	VO		1.0		
<sup>a</sup> 8203051	IT TECH SPT/NETWORK IT Technical Support/Networking/ Level 3	/Y	VO		1.0		
<sup>a</sup> 8207360	IT WEB/DIG MEDIA IT Web/Digital Media/Level 3	/Y	PA		1.0		
<sup>a</sup> 8207350	IT INTERNSHIP IT Internship/Level 2	/Y	VO		1.0		
<sup>a</sup> Y300300	<sup>a</sup> INFORMATION TECH Information Technology	30, 31 /				BUS ED ELECT DP	1 @2 @7 %G BUS DP COMPU SCI @7 %G 6
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA		1.0		
<sup>a</sup> CTS0040	IT PROG & DATABASE IT Programming & Database	/Y	VO		1.0		
<sup>a</sup> CTS0099	IT TECH SPT & NETWRK IT Technical Support & Networking	/Y	VO		1.0		
<sup>a</sup> CTS0079	IT WEB & DIG MEDIA IT Web and Digital Media	/Y	PA		1.0		
<sup>a</sup> CTS0940	IT INTERNSHIP IT Internship	/Y	VO		1.0		

## INTERACTIVE MEDIA CAREER PATH (ITPC)

B082400	GAME/SIM/ANI ADV APP Game/Simulation/Animation Advanced Applications	30, 31 /				BUS ED COMM ART	1 @2 @7 7 G COMPU SCI 6 TV PRO TEC @7 7 G
DIG0077	GAME/SIM/ANI ADV APP Game/Simulation/Animation Advanced Applications	/Y	VO		1.0		
8208400	GAME/SIM/ANI ADV APP Game/Simulation/Animation Advanced Applications/Level 2	9- 12, 30, 31 /Y	VO		1.0	BUS ED COMM ART	1 @2 @7 7 G COMPU SCI 6 TV PRO TEC @7 7 G
8208200	GAME/SIM/ANI AUD/VID Game/Simulation/Animation Audio/Video Effects	9- 12, 30, 31 /				BUS ED COMM ART	1 @2 @7 7 G COMPU SCI 6 TV PRO TEC @7 7 G
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO		0.5		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5			
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0			
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0			
8208110	GAME & SIM FOUND Game & Simulation Foundations/Level 2	/Y	PA	1.0			
8208120	GAME & SIM DSN Game & Simulation Design/Level 2	/Y	PA	1.0			
8208230	GAME/SIM AUD/SND EFF Game/Simulation Audio/Sound Effects /Level 2	/Y	PA	1.0			
8208240	GAME/SIM VID/SPEC EF Game/Simulation Video/Special Effects /Level 2	/Y	PA	1.0			
B082200	GAME/SIM/ANI AUD/VID Game/Simulation/Animation Audio/Video Effects	30, 31 /			BUS ED COMM ART	1 @2 @7 7 G	COMPU SCI 6 TV PRO TEC @7 7 G
DIG0070	GAME/SIM DESIGNER Game/Simulation Designer	/Y	PA	2.0			
DIG0073	DIGITAL MEDIA ART Digital Media Artist	/Y	VO	1.0			
DIG0074	DIGITAL MEDIA SPEC Digital Media Specialist	/Y	VO	1.0			
8208300	GAME/SIM/ANI PGM Game/Simulation/Animation Programming	9- 12, 30, 31 /			BUS ED COMM ART COMP PROG	1 @2 @7 7 G 7 G	COMPU SCI 6 TV PRO TEC @7 7 G
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5			
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5			
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0			
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0			
8208110	GAME & SIM FOUND Game & Simulation Foundations/Level 2	/Y	PA	1.0			

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
8208120	GAME & SIM DSN Game & Simulation Design/Level 2	/Y	PA		1.0	
8208330	GAME & SIM PRGM Game & Simulation Programming/Level 3	/Y	VO		1.0	
8208340	MULTI-USER GAME & SIM Multi-User Game & Simulation Programming/Level 3	/Y	PA		1.0	
B082300	GAME/SIM/ANI PGM Game/Simulation/Animation Programming	30, 31	/			BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 TV PRO TEC @7 7 G
DIG0070	GAME/SIM DESIGNER Game/Simulation Designer	/Y	PA		2.0	
DIG0075	GAME/SIM PROGRAM Game/Simulation Programmer	/Y	VO		1.0	
DIG0076	GAME/SIM SOFT DEV Game/Simulation Software Developer	/Y	VO		1.0	
8208100	GAME/SIM/ANI VIS DSN Game/Simulation/Animation Visual Design	9- 12, 30, 31	/			BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TEC @7 7 G
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO		0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO		0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA		1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
8208110	GAME & SIM FOUND Game & Simulation Foundations/Level 2	/Y	PA		1.0	
8208120	GAME & SIM DSN Game & Simulation Design/Level 2	/Y	PA		1.0	
8208130	GAME & SIM 2D GR DEV Game & Simulation 2D Graphic Development/Level 2	/Y	PA		1.0	
8208140	GAME & SIM 3D GR ANI Game & Simulation 3D Graphic Animation/Level 2	/Y	PA		1.0	
B082100	GAME/SIM/ANI VIS DSN Game/Simulation/Animation Visual Design	30, 31	/			BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TEC @7 7 G
DIG0070	GAME/SIM DESIGNER Game/Simulation Designer	/Y	PA		2.0	
DIG0071	GAME/SIM GRAPH ART Game/Simulation Graphic Artist	/Y	PA		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION	
					COURSES MEETING	SUBJECT AREA	COURSES MEETING	SUBJECT AREA
DI0072	GAME/SIM 3D ANIMATOR Game/Simulation 3D Animator	/Y	PA	1.0				
9005200	MODELING & SIMULAT Modeling and Simulation	9-12, 30, 31 /			COMPU SCI 6		TEC ED 1 @2	
					ENG 7 G		ENG TEC 7 G	
					INFO TECH 7 G		COMP PROG 7 G	
					ROBOTICS 7 G		BUS ED 1 @2	
8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5				
8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5				
8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0				
8207310	INTROD TO INFO TECH DIG INFO TECH Introduction to Information Technology /Level 2 Digital Information Technology/ Level 2	/Y	PA	1.0				
9005210	MODEL & SIM FOUND Modeling and Simulation Foundations /Level 2	/Y	PA	1.0				
9005220	MODEL & SIM DESIGN Modeling and Simulation Design/Level 2	/Y	PA	1.0				
9005230	MODEL & SIM APPS Modeling and Simulation Applications /Level 3	/Y	PA	1.0				
9005240	MODEL & SIM PROTO Modeling and Simulation Prototyping and Innovation /Level 3	/Y	PA	1.0				
8212400	MULTIMED DESIGN TECH Multimedia Design Technology	9-12, 30, 31 /			BUS ED 1 @2		VOE @7	
					CLERICAL @7 G		BUS DP @7 %G	
					TC COOP ED @7		SECRETAR 7 G	
					ELECT DP @7 %G		TEC ELEC \$7 G	
					COMPU SCI 6		STENOG @4	
					COMM ART @7 7 G		TV PRO TEC @7 7 G	
					PRINTING @7 7 G		TEC ED 1 @2	
8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5				
8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5				
8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0				

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
<sup>a</sup> 8212430	MULTIMED FOUND 1 Multimedia Foundations 1/Level 2	/Y	PA	1.0	
<sup>a</sup> 8212440	MULTIMED FOUND 2 Multimedia Foundations 2/Level 2	/Y	PA	1.0	
<sup>a</sup> 8212450	MULTIMED FOUND 3 Multimedia Foundations 3/Level 2	/Y	PA	1.0	
8207110	WEB DESIGN 1 Web Design 1/Level 2	/Y	PA	1.0	
<sup>a</sup> B070200	<sup>a</sup> MULTIMED DESIGN TECH Multimedia Design Technology	30, 31	/		BUS ED 1 @2 CLERICAL @7 G TC COOP ED @7 ELECT DP @7 %G COMPU SCI 6 COMM ART @7 7 G TEC ED 1 @2 VOE @7 BUS DP @7 %G SECRETAR 7 G TEC ELEC \$7 G STENOG @4 TV PRO TEC @7 7 G PRINTING @7 7 G
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
<sup>a</sup> GRA0005	MULTIMED PROD ASST Multimedia Production Assistant	/Y	PA	1.0	
<sup>a</sup> GRA0006	MULTIMED JR DSN Multimedia Junior Designer	/Y	PA	3.0	
<sup>a</sup> GRA0007	MULTIMED DESIGNER Multimedia Designer	/Y	VO	1.0	
<sup>a</sup> GRA0008	MULTIMED PRODUCER Multimedia Producer	/Y	VO	2.0	
<sup>a</sup> GRA0009	MULTIMEDIA SPEC Multimedia Specialist	/Y	VO	1.0	
<sup>a</sup> Y600100	<sup>a</sup> MULTIMED DSN TECH 1 Multimedia Design Technology 1	30, 31	/		BUS ED 1 @2 CLERICAL @7 G TC COOP ED @7 ELECT DP @7 %G COMPU SCI 6 COMM ART @7 7 G TEC ED 1 @2 VOE @7 BUS DP @7 %G SECRETAR 7 G TEC ELEC \$7 G STENOG @4 TV PRO TEC @7 7 G PRINTING @7 7 G
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
<sup>a</sup> GRA0005	MULTIMED PROD ASST Multimedia Production Assistant	/Y	PA	1.0	
<sup>a</sup> GRA0006	MULTIMED JR DSN Multimedia Junior Designer	/Y	PA	3.0	



PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
<sup>a</sup> Y600200	<sup>a</sup> MULTIMED DSN TECH 2 Multimedia Design Technology 2	30, 31 /			BUS ED 1 @2 CLERICAL @7 G TC COOP ED @7 ELECT DP @7 %G COMPU SCI 6 COMM ART @7 7 G TEC ED 1 @2	VOE @7 BUS DP @7 %G SECRETAR 7 G TEC ELEC \$7 G STENOG @4 TV PRO TEC @7 7 G PRINTING @7 7 G
<sup>a</sup> GRA0007	MULTIMED DESIGNER Multimedia Designer	/Y	VO	1.0		
<sup>a</sup> GRA0008	MULTIMED PRODUCER Multimedia Producer	/Y	VO	2.0		
<sup>a</sup> GRA0009	MULTIMEDIA SPEC Multimedia Specialist	/Y	VO	1.0		
<sup>a</sup> 8207400	<sup>a</sup> NEW MEDIA TECH New Media Technology	9- 12, 30, 31 /			BUS ED 1 @2 TC COOP ED @7 TEC ELEC \$7 WHOLESAL 7 G COMPU SCI 6 TEC ED 1 @2 COMP SVC 7 G	CLERICAL @7 G ELECT DP @7 %G COMM ART @7 7 G STENOG @4 TV PRO TEC @7 7 G SECRETAR 7 G
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5		
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5		
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0		
8207310	<sup>a</sup> INTROD TO INFO TECH @DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 @Digital Information Technology/ Level 2	/Y	PA	1.0		
<sup>a</sup> 8207410	NEW MEDI DIG IM FUND New Media and Digital Imaging Fundamentals/Level 2	/Y	PA	1.0		
<sup>a</sup> 8207420	DIG VID SOUND FUND Digital Video and Sound Fundamentals /Level 2	/Y	PA	1.0		
8207110	WEB DESIGN 1 Web Design 1/Level 2	/Y	PA	1.0		
<sup>a</sup> B077400	<sup>a</sup> NEW MEDIA TECH New Media Technology	30, 31 /			BUS ED 1 @2 TC COOP ED @7 TEC ELEC \$7 BUS DP @7 SECRETAR 7 G COMPU SCI @6 TEC ED 1 @2 WHOLESAL 7 G	CLERICAL @7 7 G ELECT DP @7 COMM ART @7 7 G VOE @7 STENOG @4 TV PRO TEC @7 7 G COMP SVC 7 G

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

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OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
<sup>a</sup> GRA0001	PRESENTATION SPEC Presentation Specialist	/Y	PA	1.0	
<sup>a</sup> GRA0002	PRESENT GRAPH ARTIST Presentation Graphic Artist	/Y	PA	1.0	
<sup>a</sup> GRA0003	WEB PROD/DESIGN ASST Web Production/Design Assistant	/Y	PA	1.0	
9001100	WEB DEVELOPMENT Web Development	9- 12, 30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G STENOG @4 COMPU SCI 6 CLERICAL @7 7 G VOE @7 BUS DP @7 %G SECRETAR 7 G TEC ELEC \$7 G COMM ART @7 7 G WEB DEV 7 G
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2	/S	VO	0.5	
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2	/S	VO	0.5	
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2	/Y	PA	1.0	
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
9001110	FOUND OF WEB DESIGN Foundations of Web Design/Level 3	/Y	PA	1.0	
9001120	USER INTERFACE DSN User Interface Design/Level 3	/Y	PA	1.0	
9001130	WEB SCRIPT FUND Web Scripting Fundamentals/Level 3	/Y	PA	1.0	
9001140	MEDIA INTEGRAT ESS Media Integration Essentials/Level 3	/Y	PA	1.0	
9001150	E-COMM & MKT ESS E-Commerce & Marketing Essentials/ Level 3	/Y	VO	1.0	
9001160	INTERACTIVITY ESS Interactivity Essentials/Level 3	/Y	PA	1.0	
Y700100	WEB DEVELOPMENT Web Development	30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G STENOG @4 COMPU SCI 6 COMM ART @7 7 G VOE @7 BUS DP @7 %G SECRETAR 7 G TEC ELEC \$7 G CLERICAL @7 7 G WEB DEV 7 G
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0	
CTS0070	WEB DESIGN FOUND Web Design Foundations	/Y	VO	1.0	

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CTS0071	WEB INTERFACE DSN Web Interface Design	/Y	VO	1.0	
CTS0049	WEB SCRIPTING Web Scripting	/Y	PA	1.0	
CTS0015	WEB MEDIA INTEGRAT Web Media Integration	/Y	PA	1.0	
CTS0016	WEB E-COMMERCE Web E-Commerce	/Y	VO	1.0	
CTS0017	WEB INTERACTIVITY Web Interactivity	/Y	PA	1.0	
<sup>a</sup> B079200	<sup>a</sup> WEB PGM SERS Web Programming Services	30, 31 /			BUS ED 1 @2 TC COOP ED @7 ELECT DP @7 %G COMPU SCI 6 VOE @7 BUS DP @7 %G TEC ELEC S7 G
CTS0011	WEB DEVELOPER ASST Web Developer Assistant	/Y	VO	1.0	
CTS0012	DATABASE SPEC Database Specialist	/Y	VO	1.0	
CTS0013	JR APP DEVELOPER Junior Application Developer	/Y	VO	2.5	
CTS0014	WEB APP DEVELOPER Web Application Developer	/Y	VO	2.5	
PROGRAMMING & SOFTWARE DEVELOPMENT CAREER PATH (ITPD)					
9007400	.NET APP DEV & PROG .NET Application Development and Programming	9- 12, 30, 31 /			BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0	
9007210	FOUND OF PROGRAM Foundations of Programming/Level 3	/Y	VO	1.0	
9007220	PROCEDURAL PROG Procedural Programming/Level 3	/Y	VO	1.0	
9007230	OBJ-ORIENT PROG Object-Oriented Programming Fundamentals/Level 3	/Y	VO	1.0	
9007410	.NET APP DEV FOUND .NET Application Development Foundation/Level 3	/Y	VO	1.0	
9007420	.NET APP DEV APPLIED .NET Application Development Applied /Level 3	/Y	VO	1.0	
9007430	.NET APP DEV CAP .NET Application Development Capstone /Level 3	/Y	VO	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION			
			GRADUATION REQUIREMENTS						
Y700400	.NET APP DEV & PROG .NET Application Development and Programming	30, 31	/			BUS ED COMP PROG	1 @2 7 G	COMPU SCI	6
OTA0040	INFO TECH ASST Information Technology Assistant		/Y	PA	1.0				
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant		/Y	VO	2.0				
CTS0044	CPT PROGRAMMER Computer Programmer		/Y	VO	1.0				
CTS0032	.NET PROGRAMMER .NET Programmer		/Y	VO	3.0				
8206500	BUSINESS CPTR PGM Business Computer Programming	9-12, 30, 31	/			BUS ED TC COOP ED TEC ELEC BOOKKEEPIN	1 @2 @7 \$7 G @4 @7 G	VOE BUS DP ELECT DP COMPU SCI	@7 @7 %G @7 %G 6
<sup>a</sup> 8200320	APLD CPT BUS SK 1 Applied Computer Business Skills 1/ Level 2		/S	VO	0.5				
<sup>a</sup> 8200330	APLD CPT BUS SK 2 Applied Computer Business Skills 2/ Level 2		/S	VO	0.5				
<sup>a</sup> 8209020	CPT FOR COLG & CAR Computing for College and Careers/ Level 2		/Y	PA	1.0				
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2		/Y	PA	1.0				
8206010	BUS CPT PGM 1 Business Computer Programming 1/ Level 2		/Y	VO	1.0				
8206020	BUS CPT PGM 2 Business Computer Programming 2/ Level 2		/Y	VO	1.0				
8206030	BUS CPT PGM 3 Business Computer Programming 3/ Level 2		/Y	VO	1.0				
8206040	BUS CPT PGM 4 Business Computer Programming 4/ Level 2		/Y	VO	1.0				
8206050	BUS CPT PGM 5 Business Computer Programming 5/ Level 3		/Y	VO	1.0				
8206060	BUS CPT PGM 6 Business Computer Programming 6/ Level 3		/Y	VO	1.0				
8206070	BUS CPT PGM 7 Business Computer Programming 7/ Level 3		/Y	VO	1.0				

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
B070320	BUSINESS CPTR PGM Business Computer Programming	30, 31	/			BUS ED 1 @2 TC COOP ED @7 TEC ELEC \$7 G BOOKKEEPIN @4 @7 G VOE @7 BUS DP @7 %G ELECT DP @7 %G COMPU SCI 6
OTA0040	INFO TECH ASST Information Technology Assistant		/Y	PA	1.0	
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant		/Y	VO	2.0	
CTS0042	JR PROGRAMMER Junior Programmer		/Y	VO	2.0	
CTS0043	JR PROGRAMMER II Junior Programmer II		/Y	VO	2.0	
CTS0044	CPT PROGRAMMER Computer Programmer		/Y	VO	1.0	
9007300	DB APP DEV & PROG Database Application Development and Programming	9- 12, 30, 31	/			BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2		/Y	PA	1.0	
9007210	FOUND OF PROGRAM Foundations of Programming/Level 3		/Y	VO	1.0	
9007220	PROCEDURAL PROG Procedural Programming/Level 3		/Y	VO	1.0	
9007230	OBJ-ORIENT PROG Object-Oriented Programming Fundamentals/Level 3		/Y	VO	1.0	
9007310	DB DSGN & SQL PROG Database Design and SQL Programming /Level 3		/Y	VO	1.0	
9007320	SQL EXT LANGUAGES I SQL Extension Languages I/Level 3		/Y	VO	1.0	
9007330	SQL EXT LANGUAGES II SQL Extension Languages II/Level 3		/Y	VO	1.0	
9007340	CUST DB PROGRAMMING Custom Database Programming/Level 3		/Y	VO	1.0	
Y700300	DB APP DEV & PROG Database Application Development and Programming	30, 31	/			BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
OTA0040	INFO TECH ASST Information Technology Assistant		/Y	PA	1.0	
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant		/Y	VO	2.0	
CTS0044	CPT PROGRAMMER Computer Programmer		/Y	VO	1.0	
CTS0062	DATABASE PROGRAMMER Database Programmer		/Y	VO	4.0	
9007200	JAVA DEV & PROG Java Development and Programming	9- 12, 30, 31	/			BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
9007210	FOUND OF PROGRAM Foundations of Programmi ng/Level 3	/Y	VO		1.0	
9007220	PROCEDURAL PROG Procedural Programmi ng/Level 3	/Y	VO		1.0	
9007230	OBJ-ORIENT PROG Object-Oriented Programmi ng Fundamentals/Level 3	/Y	VO		1.0	
9007240	JAVA PROGRAM ESSEN Java Programmi ng Essentials/Level 3	/Y	VO		1.0	
9007250	APPL OBJ-OR JAVA PRO Applied Object-Oriented Java Programmi ng/Level 3	/Y	VO		1.0	
9007260	JAVA DB PROGRAMMING Java Database Programmi ng/Level 3	/Y	VO		1.0	
9007270	JAVA PROGRAM CAP Java Programmi ng Capstone/Level 3	/Y	VO		1.0	
Y700200	JAVA DEV & PROG Java Development and Programmi ng	30, 31	/		BUS ED COMP PROG	1 @2 7 G COMPU SCI 6
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA		1.0	
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant	/Y	VO		2.0	
CTS0044	CPT PROGRAMMER Computer Programmer	/Y	VO		1.0	
CTS0031	JAVA DEVELOPER Java Developer	/Y	VO		4.0	
9007500	WEB APPL DEV & PROG Web Application Development and Programmi ng	9- 12, 30, 31	/		BUS ED COMP PROG	1 @2 7 G COMPU SCI 6
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA		1.0	
9007210	FOUND OF PROGRAM Foundations of Programmi ng/Level 3	/Y	VO		1.0	
9007220	PROCEDURAL PROG Procedural Programmi ng/Level 3	/Y	VO		1.0	
9007230	OBJ-ORIENT PROG Object-Oriented Programmi ng Fundamentals/Level 3	/Y	VO		1.0	
9007510	WEB PROGRAMMING Web Programmi ng/Level 3	/Y	VO		1.0	
9007520	JAVASCRIPT PROGRAM JavaScri pt Programmi ng/Level 3	/Y	VO		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
9007530	PHP PROGRAMMING PHP Programming/Level 3	/Y	VO	1.0		
Y700500	WEB APPL DEV & PROG Web Application Development and Programming	30, 31	/		BUS ED COMP PROG	1 @2 7 G COMPU SCI 6
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0		
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant	/Y	VO	2.0		
CTS0044	CPT PROGRAMMER Computer Programmer	/Y	VO	1.0		
CTS0034	WEB PROGRAMMER Web Programmer	/Y	VO	3.0		
MIDDLE SCHOOL PROGRAMS						
9009350	EXPLOR IT CAREERS Exploring Information Technology Careers	6-8	/S	VO	MULTIPLE	BUS ED 1 @2 INFO TECH 7 G DIGI MEDIA 7 G COMP PROG 7 G COMPU SCI 6 WEB DEV 7 G CYBER TECH 7 G
9009360	EXPLOR IT CAREERS/CP Exploring Information Technology Careers and Career Planning	6-8	/S	VO	MULTIPLE	BUS ED 1 @2 INFO TECH 7 G DIGI MEDIA 7 G COMP PROG 7 G COMPU SCI 6 WEB DEV 7 G CYBER TECH 7 G
9009400	FUND OF NET & INFO Fundamentals of Networking and Information Support	6-8	/Y	VO		BUS ED 1 @2 INFO TECH 7 G COMPU SCI 6 CYBER TECH 7 G
9009500	FUND OF WEB & SOFT Fundamentals of Web and Software Development	6-8	/Y	VO		BUS ED 1 @2 INFO TECH 7 G COMP PROG 7 G COMPU SCI 6 WEB DEV 7 G
9009100	INFO & COMM TECH ESS Information and Communications Technology (ICT) Essentials	6-8	/			BUS ED 1 @2 INFO TECH 7 G COMPU SCI 6 WEB DEV 7 G
9009110	INFO & COMM TECH 1 Information and Communications Technology (ICT) Essentials 1	/Y	VO			
9009120	INFO & COMM TECH 2 Information and Communications Technology (ICT) Essentials 2	/Y	VO			
9009130	INFO & COMM TECH 3 Information and Communications Technology (ICT) Essentials 3	/Y	VO			
9000420	IT OJT Information Technology Cooperative Education OJT	9-12, 30, 31	/M	VO	MULTIPLE	BUS ED 1 @2 WEB DEV 7 G CYBER TECH 7 G INFO TECH 7 G COMP PROG 7 G
Y509999	IT OJT Information Technology Cooperative Education OJT	30, 31	/			BUS ED 1 @2 WEB DEV 7 G CYBER TECH 7 G INFO TECH 7 G COMP PROG 7 G DIGI MEDIA 7 G
9000100	IT DIRECTED STUDY Information Technology Directed Study	1112, 30, 31	/M	VO	MULTIPLE	BUS ED 1 @2 WEB DEV 7 G CYBER TECH 7 G INFO TECH 7 G COMP PROG 7 G DIGI MEDIA 7 G

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
APPRENTICESHIP PROGRAMS					
I47011R	CPT SYSS TECH-APPR Computer Systems Technology - Apprenticeship	30, 31	/		
T86002R	GIS TECH-APPR Geospatial/Geographic Information Systems (GIS) Technology - Apprenticeship	30, 31	/		
Y30030R	INFO TECH - APPR Information Technology - Apprenticeship	30, 31	/		
B07040R	PC SUPPORT SERS-APPR PC Support Services - Apprenticeship	30, 31	/		

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LAW, PUBLIC SAFETY & SECURITY CAREER CLUSTER

CORRECTION SERVICES CAREER PATH (LWPA)

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P430155	COMB CJSTC CORR & LE Combined CJSTC Corrections and Law Enforcement Basic Dual Cert	30, 31	/		LAW ENF	@7	7	G	CORR OFF	7	G
CJK0300	INTRO TO CORRECTIONS Introduction to Corrections		/Y	VO	0.0						
CJK0305	CJSTC COMMUNICATIONS CJSTC Communications		/Y	VO	0.0						
CJK0310	OFFICER SAFETY Officer Safety		/Y	VO	0.0						
CJK0315	FACILITY & EQUIP Facility and Equipment		/Y	VO	0.0						
CJK0320	INTAKE & RELEASE Intake and Release		/Y	VO	0.0						
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility		/Y	VO	0.0						
CJK0330	SPRV SP POPULATIONS Supervising Special Populations		/Y	VO	0.0						
CJK0335	RESP INCIDENT & EMER Responding to Incidents and Emergencies		/Y	VO	0.0						
CJK0031	CMS FIRST AIDE/CJO CMS First Aide for Criminal Justice Officer		/Y	VO	0.0						
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms		/S	VO	0.5						
CJK0051	CMS CRIM JUST DEF TA CMS Criminal Justice Defensive Tactics		/S	VO	0.5						
CJK0340	OFF WELLNESS & PA Officer Wellness and Physical Abilities		/Y	VO	0.0						



PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION			
			REQUIREMENTS	GRADUATION					
CJK0293	OVERVIEW OF LAW ENF Overview of Law Enforcement	/Y	VO		0.0				
CJK0297	CRISIS SITUATIONS Interactions in Crisis Situations	/Y	VO		0.0				
CJK0296	REPORTING PROCEDURES Reporting Procedures	/Y	VO		0.0				
CJK0064	FUNDS OF PATROL Fundamentals of Patrol	/Y	VO		0.0				
CJK0065	CALLS FOR SERVICE Calls for Service	/S	VO		0				
CJK0077	CRIMINAL INVEST Criminal Investigations	/Y	VO		0.0				
CJK0078	CRIME SCENE/COUTROOM Crime Scene to Courtroom	/S	VO		0				
CJK0092	CRITICAL INCIDENTS Critical Incidents	/Y	VO		0.0				
P43015B	COMB CJSTC (Cont.) Combined CJSTC Corrections and Law Enforcement Basic Dual Cert (Cont.)	30, 31	/						
CJK0087	TRAFFIC STOPS Traffic Stops	/Y	VO		0.0				
CJK0084	DUI TRAFFIC STOPS DUI Traffic Stops	/Y	VO		0.0				
CJK0088	TRAF CRASH INVEST Traffic Crash Investigations	/Y	VO		0.0				
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	/S	VO		0				
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	/Y	VO		0.0				
CJK0422	DART FIRING STUN GUN Dart Firing Stun Gun	/Y	VO		0.0				
CJK0295	CO TO LE OFF WELLNES Correctional Crossover to Law Enforcement Officer Wellness	/S	VO		0				
CJK0392	CROSSOVER HANDGUN TR Crossover Handgun Transition Course	/S	VO		0				
P430102	CORR OFFICER Correctional Officer (Traditional Correctional BRTP)	30, 31	/			CORR OFF	7 G	LAW ENF	@7 7 G
CJK0300	INTRO TO CORRECTIONS Introduction to Corrections	/Y	VO		0.0				
CJK0305	CJSTC COMMUNICATIONS CJSTC Communications	/Y	VO		0.0				
CJK0310	OFFICER SAFETY Officer Safety	/Y	VO		0.0				
CJK0315	FACILITY & EQUIP Facility and Equipment	/Y	VO		0.0				
CJK0320	INTAKE & RELEASE Intake and Release	/Y	VO		0.0				
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility	/Y	VO		0.0				

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION			
CJK0330	SPRV SP POPULATIONS Supervising Special Populations	/Y	VO	0.0				
CJK0335	RESP INCIDENT & EMER Responding to Incidents and Emergencies	/Y	VO	0.0				
CJK0031	CMS FIRST AIDE/CJO CMS First Aide for Criminal Justice Officer	/Y	VO	0.0				
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms	/S	VO	0.5				
CJK0051	CMS CRIM JUST DEF TA CMS Criminal Justice Defensive Tactics	/S	VO	0.5				
CJK0340	OFF WELLNESS & PA Officer Wellness and Physical Abilities	/Y	VO	0.0				
P430122	CORR PRO OFR Correctional Probation Officer	30, 31	/		LAW ENF	@7	7 G	CORR OFF 7 G
CJK0271	CORR PROB LEGAL Correctional Probation Legal	/Y	VO	0.0				
CJK0272	CORR PROB INT COM SK Correctional Probation Interpersonal Communication Skills	/Y	VO	0.0				
CJK0273	CORR PROB CASE MGMT Correctional Probation Caseload Management	/Y	VO	0.0				
CJK0274	CORR PROB SUPERVIS Correctional Probation Supervision	/S	VO	0.5				
CJK0275	CORR PROB INVEST Correctional Probation Investigations	/Y	VO	0.0				
CJK0276	CORR PROB MGMT INFO Correctional Probation Management Information Systems	/Y	VO	0.0				
CJK0051	CMS CRIM JUST DEF TA CMS Criminal Justice Defensive Tactics	/S	VO	0.5				
CJK0031	CMS FIRST AIDE/CJO CMS First Aide for Criminal Justice Officer	/Y	VO	0.0				
CJK0281	CJ OFF PHY FIT TR/PO Criminal Justice Officer Physical Fitness Training/Probation Officer	/Y	VO	0.0				
P430132	CROSSOVER CO TO CPO Crossover from Correctional Officer to Correctional Probation Officer	30, 31	/		LAW ENF	@7	7 G	CORR OFF 7 G
CJK0230	CORR CO TO CP: LEG&CO Correctional Cross-Over to Correctional Probation Legal & Communication	/Y	VO	0.0				
CJK0231	CORR CO TO CP: SUPERV Correctional Cross-Over to Correctional Probation Supervision	/Y	VO	0.0				
CJK0232	CORR CO TO CP: INVEST Correctional Cross-Over to Correctional Probation Investigations	/Y	VO	0.0				

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION			
			REQUIREMENTS	GRADUATION					
CJK0276	CORR PROB MGMT INFO Correctional Probation Management Information Systems	/Y	VO	0.0					
CJK0273	CORR PROB CASE MGMT Correctional Probation Caseload Management	/Y	VO	0.0					
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	/S	VO	0					
CJK0235	CORR TO CPO WELLNESS Correctional Cross-Over to Correctional Probation Officer Wellness	/S	VO	0					
P430125	CROSSOVER CO TO LEO Crossover from Correctional Officer to Law Enforcement Officer	30, 31	/		LAW ENF	@7	7	G	CORR OFF 7 G
CJK0293	OVERVIEW OF LAW ENF Overview of Law Enforcement	/Y	VO	0.0					
CJK0297	CRISIS SITUATIONS Interactions in Crisis Situations	/Y	VO	0.0					
CJK0296	REPORTING PROCEDURES Reporting Procedures	/Y	VO	0.0					
CJK0064	FUNDS OF PATROL Fundamentals of Patrol	/Y	VO	0.0					
CJK0065	CALLS FOR SERVICE Calls for Service	/S	VO	0					
CJK0077	CRIMINAL INVEST Criminal Investigations	/Y	VO	0.0					
CJK0078	CRIME SCENE/COUTROOM Crime Scene to Courtroom	/S	VO	0					
CJK0092	CRITICAL INCIDENTS Critical Incidents	/Y	VO	0.0					
CJK0087	TRAFFIC STOPS Traffic Stops	/Y	VO	0.0					
CJK0084	DUI TRAFFIC STOPS DUI Traffic Stops	/Y	VO	0.0					
CJK0088	TRAF CRASH INVEST Traffic Crash Investigations	/Y	VO	0.0					
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	/S	VO	0					
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	/Y	VO	0.0					
CJK0422	DART FIRING STUN GUN Dart Firing Stun Gun	/Y	VO	0.0					
CJK0392	CROSSOVER HANDGUN TR Crossover Handgun Transition Course	/S	VO	0					
CJK0295	CO TO LE OFF WELLNES Correctional Crossover to Law Enforcement Officer Wellness	/S	VO	0					
P430152	CROSSOVER LEO TO CO Crossover from Law Enforcement Officer to Correctional Officer	30, 31	/		LAW ENF	@7	7	G	CORR OFF 7 G

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
CJK0200	OVERVIEW CORRECTIONS Overview of Corrections	/S	VO		0	
CJK0310	OFFICER SAFETY Officer Safety	/Y	VO		0.0	
CJK0315	FACILITY & EQUIP Facility and Equipment	/Y	VO		0.0	
CJK0320	INTAKE & RELEASE Intake and Release	/Y	VO		0.0	
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility	/Y	VO		0.0	
CJK0330	SPRV SP POPULATIONS Supervising Special Populations	/Y	VO		0.0	
CJK0205	LE RESPOND INCIDENTS LE Crossover to Correctional Responding to Incidents & Emergencies	/S	VO		0	
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	/S	VO		0	
CJK0392	CROSSOVER HANDGUN TR Crossover Handgun Transition Course	/S	VO		0	
CJK0354	LE TO CO OFF WELLNES Law Enforcement Crossover to Correctional Officer Wellness	/S	VO		0	

## EMERGENCY &amp; FIRE MANAGEMENT SERVICES CAREER PATH (LWPB)

<sup>a</sup> P430205	<sup>a</sup> FIRE FIGHTER Fire Fighter	30, 31	/			FIRE FIGHT @7 7 G	PUB SERV	7 G
FFP0010	FIRE FIGHTER I Fire Fighter I		/Y	VO	1.0			
FFP0020	FIRE FIGHTER II Fire Fighter II		/Y	VO	1.0			
FFP0360	FIRE APPARATUS OP Fire Apparatus Operator		/S	VO	0.5			
FFP0363	EVOC Emergency Vehicle Operator Course (EVOC)		/Y	VO	0.0			
FFP0142	MED FIRST RESPONDER Medical First Responder		/Y	VO	0.0			
<sup>a</sup> P430210	FIRE FIGHTER I/II Fire Fighter I/II	30, 31	/			FIRE FIGHT @7 7 G		
FFP0010	FIRE FIGHTER I Fire Fighter I		/Y	VO	1.0			
FFP0020	FIRE FIGHTER II Fire Fighter II		/Y	VO	1.0			
<sup>a</sup> P430207	FIRE INSTRUCTOR Fire Instructor	30, 31	/			FIRE FIGHT @7 7 G		
<sup>a</sup> FFP0160	FIRE INSTRUCTOR I Fire Instructor I		/Y	VO	0.0			
<sup>a</sup> FFP0161	FIRE INSTRUCTOR II Fire Instructor II		/Y	VO	0.0			

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
<sup>a</sup> FFP0162	FIRE INSTRUCT III Fire Instructor III	/Y	VO	0.0		
<sup>a</sup> P430202	<sup>a</sup> FIRE INVESTIGATOR Fire Investigator	30, 31	/		FIRE FIGHT @7	7 G
<sup>a</sup> FFP0660	FIRE INVESTIGATOR I Fire Investigator I	/Y	VO	1.0		
<sup>a</sup> FFP0661	FIRE INVEST II Fire Investigator II	/Y	VO	1.0		
<sup>a</sup> P430204	FIRESAFETY INSPECT Firesafety Inspector	30, 31	/		FIRE FIGHT @7	7 G
<sup>a</sup> FFP0560	FIRESAFETY INSPECT I Firesafety Inspector I	/Y	VO	1.0		
<sup>a</sup> FFP0562	FIRESAFETY INSPEC II Firesafety Inspector II	/Y	VO	1.0		
8918200	INTRO TO FIRE FIGHT Introduction to Fire Fighting	10- 12, 30, 31/			FIRE FIGHT @7	7 G
8918210	FIREFIGHTING 1 Firefighting 1/Level 2	/Y	VO	1.0		
8918220	FIREFIGHTING 2 Firefighting 2/Level 2	/Y	VO	1.0		
8918230	FIREFIGHTING 3 Firefighting 3/Level 3	/Y	VO	1.0		
P439991	POL SERV AIDE Police Service Aide	30, 31	/		LAW ENF @7	G 7 PUB SERV 7 G
CJK0110	PARK ENFORCE SPEC Parking Enforcement Specialist	/Y	VO	0.0		
CJK0112	TRAF ACCIDENT INVEST Traffic Accident Investigator	/S	VO	0.5		
CJK0114	POLICE SERVICE AIDE Police Service Aide	/S	VO	0.5		
9101000	PUBLIC SAF TELE Public Safety Telecommunication	11- 12, 30, 31/Y			LAW ENF @7 7 G CORR OFF 7 G PUB SAF TE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	FIRE FIGHT @7 7 G PUB SERV 7 G
9101100	DISP: POL, FIRE, AMB Dispatcher: Police, Fire, Ambulance Level 2	/Y	VO	1.5		
P090101	PUBLIC SAF TELE Public Safety Telecommunication	30, 31	/		LAW ENF @7 7 G CORR OFF 7 G PUB SAF TE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	FIRE FIGHT @7 7 G PUB SERV 7 G
EMS0002	DISP: POL, FIRE, AMB Dispatcher: Police, Fire, Ambulance	/Y	VO	1.5		
<sup>a</sup> P430215	FIREFIGHTER/EMT COMB Firefighter/Emergency Medical Technician - Combined	30, 31	/		SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
FFP0010	FIRE FIGHTER I Fire Fighter I	/Y	VO	1.0		
FFP0020	FIRE FIGHTER II Fire Fighter II	/Y	VO	1.0		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	/Y	VO	1.0		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION				
			GRADUATION REQUIREMENTS							
EMS0159	EMER MEDICAL TECH Emergency Medical Technician	/Y	VO		1.0					
<sup>a</sup> P430203	<sup>a</sup> PUMP OPERATOR Pump Operator	30, 31	/			FIRE FIGHT @7	7 G	PUB SERV	7 G	
FFP0360	FIRE APPARATUS OP Fire Apparatus Operator	/S	VO		0.5					
SECURITY & PROTECTIVE SERVICES CAREER PATH (LWPC)										
P430208	PRIV INVEST INTERN Private Investigator Intern	30, 31	/			LAW ENF	@7 7 G	PUB SERV	7 G	
SCY0051	PRIV INVEST INTERN 1 Private Investigator Intern 1		/Y	VO	0.0					
SCY0052	PRIV INVEST INTERN 2 Private Investigator Intern 2		/Y	VO	0.0					
P430109	PRIVATE SECURITY OFR Private Security Officer	30, 31	/			LAW ENF	@7 7 G	PUB SERV	7 G	
CJK0132	PRIVATE SEC OFF Private Security Officer		/Y	VO	0.0					
CJK0134	ARMED PRIV SEC OFF Armed Private Security Officer		/Y	VO	0.0					
8918031	PRIVATE SECURITY OFR Private Security Officer/Level 3	12, 30, 31	/Y	VO	1.0	LAW ENF	@7 7 G	PUB SERV	7 G	
<sup>a</sup> P430110	<sup>a</sup> SEA SEC OFR Seaport Security Officer	30, 31	/			LAW ENF	@7 7 G	PUB SERV	7 G	
<sup>a</sup> DSC0230	SEAPORT SECURITY OFF Seaport Security Officer		/Y	VO	1.0					
LAW ENFORCEMENT SERVICES CAREER PATH (LWPD)										
P430115	AUX LAW ENF OFR Auxiliary Law Enforcement Officer	30, 31	/			LAW ENF	@7 7 G			
CJK0240	LE AUX INTRO Law Enforcement Auxiliary Introduction		/Y	VO	0.0					
CJK0241	LE AUX PAT & TRAFFIC Law Enforcement Auxiliary Patrol and Traffic		/Y	VO	0.0					
CJK0242	LE AUX INVESTIGATION Law Enforcement Auxiliary Investigations		/Y	VO	0.0					
CJK0422	DART FIRING STUN GUN Dart Firing Stun Gun		/Y	VO	0.0					
CJK0031	CMS FIRST AIDE/CJO CMS First Aide for Criminal Justice Officer		/Y	VO	0.0					
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms		/S	VO	0.5					
CJK0051	CMS CRIM JUST DEF TA CMS Criminal Justice Defensive Tactics		/S	VO	0.5					
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations		/Y	VO	0.0					

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION			
			GRADUATION REQUIREMENTS						
8918000	CRIMINAL JUST OPS Criminal Justice Operations	9- 12, 30, 31 /				CORR OFF PUB SERV	7 G 7 G	LAW ENF	@7 7 G
8918010	CRIMINAL JUST OPS 1 Criminal Justice Operations 1/Level 2	/Y	VO		1.0				
8918020	CRIMINAL JUST OPS 2 Criminal Justice Operations 2/Level 2	/Y	VO		1.0				
8918030	CRIMINAL JUST OPS 3 Criminal Justice Operations 3/Level 3	/Y	VO		1.0				
8918040	CRIMINAL JUST OPS 4 Criminal Justice Operations 4/Level 3	/Y	VO		1.0				
P430199	CRIMINAL JUST OPS Criminal Justice Operations	30, 31 /				CORR OFF PUB SERV	7 G 7 G	LAW ENF	@7 7 G
CJK0120	POL SERVICE AIDE-CJO Police Service Aide- Criminal Justice Operations	/Y	VO		3.0				
P430107	CROSSOVER CPO TO LEO Crossover Correctional Probation Officer to Law Enforcement Officer	30, 31 /				LAW ENF	@7 7 G	CORR OFF	7 G
CJK0293	OVERVIEW OF LAW ENF Overview of Law Enforcement	/Y	VO		0.0				
CJK0228	LE REPORT WRITING Law Enforcement Report Writing	/Y	VO		0.0				
CJK0064	FUNDS OF PATROL Fundamentals of Patrol	/Y	VO		0.0				
CJK0219	RESPOND CALLS/SER Responding to Calls for Service	/Y	VO		0.0				
CJK0077	CRIMINAL INVEST Criminal Investigations	/Y	VO		0.0				
CJK0229	CRIME SCENE PROC Crime Scene Procedures	/Y	VO		0.0				
CJK0092	CRITICAL INCIDENTS Critical Incidents	/Y	VO		0.0				
CJK0087	TRAFFIC STOPS Traffic Stops	/Y	VO		0.0				
CJK0084	DUI TRAFFIC STOPS DUI Traffic Stops	/Y	VO		0.0				
CJK0088	TRAF CRASH INVEST Traffic Crash Investigations	/Y	VO		0.0				
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	/S	VO		0				
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	/Y	VO		0.0				
CJK0422	DART FIRING STUN GUN Dart Firing Stun Gun	/Y	VO		0.0				
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms	/S	VO		0.5				
CJK0227	CP CO LE OFF WELLNES Correctional Probation Crossover to Law Enforcement Officer Wellness	/Y	VO		0.0				

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION					
			GRADUATION REQUIREMENTS								
P430142	CROSSOVER CPO TO CO Crossover Correctional Probation Officer Training to Traditional Correctional (BRTP)	30, 31	/		LAW ENF	@7	7	G	CORR OFF	7	G
CJK0300	INTRO TO CORRECTIONS Introduction to Corrections		/Y	VO	0.0						
CJK0287	CP CO RADIO SEARCH Correctional Probation Crossover to Correctional Radio Communications		/Y	VO	0.0						
CJK0315	FACILITY & EQUIP Facility and Equipment		/Y	VO	0.0						
CJK0320	INTAKE & RELEASE Intake and Release		/Y	VO	0.0						
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility		/Y	VO	0.0						
CJK0330	SPRV SP POPULATIONS Supervising Special Populations		/Y	VO	0.0						
CJK0335	RESP INCIDENT & EMER Responding to Incidents and Emergencies		/Y	VO	0.0						
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates		/S	VO	0						
CJK0391	CP CO OFF WELLNESS Correctional Probation Crossover to Correctional Officer Wellness		/Y	VO	0.0						
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms		/S	VO	0.5						
P430105	FL LAW ENFORCE ACAD Florida Law Enforcement Academy	30, 31	/		LAW ENF	@7	7	G	CORR OFF	7	G
CJK0001	INTRO TO LAW ENFORCE Introduction to Law Enforcement		/Y	VO	0.0						
CJK0012	LEGAL Legal		/Y	VO	0.0						
CJK0013	DIVERSE COMMUNITY Interactions in a Diverse Community		/Y	VO	0.0						
CJK0014	INTERVIEW & REPORT Interviewing and Report Writing		/Y	VO	0.0						
CJK0064	FUNDS OF PATROL Fundamentals of Patrol		/Y	VO	0.0						
CJK0065	CALLS FOR SERVICE Calls for Service		/S	VO	0						
CJK0077	CRIMINAL INVEST Criminal Investigations		/Y	VO	0.0						
CJK0078	CRIME SCENE/COUTROOM Crime Scene to Courtroom		/S	VO	0						
CJK0092	CRITICAL INCIDENTS Critical Incidents		/Y	VO	0.0						
CJK0087	TRAFFIC STOPS Traffic Stops		/Y	VO	0.0						
CJK0084	DUI TRAFFIC STOPS DUI Traffic Stops		/Y	VO	0.0						
CJK0088	TRAF CRASH INVEST Traffic Crash Investigations		/Y	VO	0.0						



PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	/Y	VO		0.0	
CJK0031	CMS FIRST AIDE/CJO CMS First Aide for Criminal Justice Officer	/Y	VO		0.0	
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms	/S	VO		0.5	
CJK0051	CMS CRIM JUST DEF TA CMS Criminal Justice Defensive Tactics	/S	VO		0.5	
CJK0422	DART FIRING STUN GUN Dart Firing Stun Gun	/Y	VO		0.0	
CJK0096	CJ OFF PHYS FIT TRA Criminal Justice Officer Physical Fitness Training/Law Enforcement	/Y	VO		0.0	
LEGAL SERVICES CAREER PATH (LWPE)						
P430135	BAIL BOND AGENT Bail Bond Agent	30, 31	/		LAW ENF	@7 7 G
SCY0050	BAIL BOND AGENT Bail Bond Agent		/S	VO		0.5
8900220	EXP OF CJ OCCS Exploration of Criminal Justice Occupations	6-8	/S	VO	MULTIPLE LAW ENF ANY PUB SERV OCC ED	@7 7 G G CORR OFF 7 G
GENERAL PROGRAMS						
9160350	INTRO LAW & PS Introduction to Law, Public Safety and Security	6-8	/S	VO	MULTIPLE LAW ENF ANY PUB SERV OCC ED	@7 7 G G CORR OFF 7 G
9160360	INTRO LAW & PS & CP Introduction to Law, Public Safety and Security and Career Planning	6-8	/S	VO	MULTIPLE LAW ENF ANY PUB SERV OCC ED	@7 7 G G CORR OFF 7 G
8900410	LAW, PS & SEC OJT Law, Public Safety and Security Cooperative Education - OJT	9-12, 30, 31	/		ANY PUB SERV OCC ED CORR OFF	7 G G LAW ENF @7 7 G
P439999	LAW, PS & SEC - OJT Law, Public Safety and Security Cooperative Education - OJT	30, 31	/		ANY PUB SERV OCC ED CORR OFF	7 G G LAW ENF @7 7 G
8900100	LAW, PS & SECU DS Law, Public Safety and Security Directed Study	1112, 30, 31	/M	VO	MULTIPLE ANY PUB SERV OCC ED CORR OFF	7 G G LAW ENF @7 7 G
8999990	PUB SERV ED TRAN Public Service Education Transfer	9-12, 30, 31	/		NA	
P000000	PUB SERV ED TRAN Public Service Education Transfer	30, 31	/		NA	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
APPRENTICESHIP PROGRAMS					
P43020R	FIRE FIGHT - APPR Fire Fighter - Apprenticeship	30, 31 /			
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MANUFACTURING CAREER CLUSTER					
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MANUFACTURING PRODUCTION PROCESS CAREER PATH (MNPA)					
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9200100	AUTO & PROD TECH Automation and Production Technology	9- 12, 30, 31 /			AUTO PROD 7G ENG 7 G TEC ED 1 @2 ELECTRONIC @7 7 G
9200110	AUTO & PROD TECH 1 Automation and Production Technology 1, Level 2	/Y	VO	1.0	
9200120	AUTO & PROD TECH 2 Automation and Production Technology 2, Level 2	/Y	VO	1.0	
9200130	AUTO & PROD TECH 3 Automation and Production Technology 3, Level 3	/Y	VO	1.0	
9200140	AUTO & PROD TECH 4 Automation and Production Technology 4, Level 3	/Y	VO	1.0	
J100100	AUTO & PROD TECH Automation and Production Technology	30, 31 /			AUTO PROD 7G ENG 7 G TEC ED 1 @2 ELECTRONIC @7 7 G
ETI0481	PRODUCTION WORKER Production Worker	/Y	VO	1.0	
ETI0482	ASSEMBLER Assembler	/Y	VO	1.0	
ETI0484	PROCESS ASSISTANT Process Assistant	/Y	VO	1.0	
ETI0485	AUTO & PROD TECH Automation and Production Technician	/Y	VO	1.0	
I150404	ELEC & INST TECH Electrical and Instrumentation Technology	30, 31 /			TEC ELEC @7 7 G ELECTRONIC @7 7 G
EEV0650	ELECTRICIAN (CONST) Electrician (Construction)	/Y	VO	2.0	
EEV0652	INSTRUMENT MECH Instrument Mechanic	/Y	VO	2.0	
EEV0654	ELECTRICIAN MAINT Electrician Maintenance	/Y	VO	2.0	
EEV0656	INSTRUMENT TECH Instrument Technician	/Y	VO	2.5	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

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EEV0658	OP ENGR ASST STAT Operating Engineer Assistant Stationary	/Y	VO	2.5		
J110100	ELEC & INST TECH 1 Electrical and Instrumentation Technology 1	30, 31	/		TEC ELEC @7 7 G	ELECTRONIC @7 7 G
EEV0650	ELECTRICIAN (CONST) Electrician (Construction)	/Y	VO	2.0		
EEV0652	INSTRUMENT MECH Instrument Mechanic	/Y	VO	2.0		
EEV0654	ELECTRICIAN MAINT Electrician Maintenance	/Y	VO	2.0		
J110200	ELEC & INST TECH 2 Electrical and Instrumentation Technology 2	30, 31	/		TEC ELEC @7 7 G	ELECTRONIC @7 7 G
EEV0656	INSTRUMENT TECH Instrument Technician	/Y	VO	2.5		
EEV0658	OP ENGR ASST STAT Operating Engineer Assistant Stationary	/Y	VO	2.5		
8743000	ENGR ASSIST Engineering Assisting	9- 12, 30, 31 /			TEC CONSTR ¶7 ¶G MILLWRIGHT 7 G ENG 7 G WELDING @7 7 G TEC ED 1 @2	BLDG CONST ¶7 ¶G IND ENGR 7 G MACH SHOP @7 7 G ELECTRONIC @7 7 G
8743010	ENGR ASSIST 1 Engineering Assisting 1/Level 2	/Y	VO	1.0		
8743020	ENGR ASSIST 2 Engineering Assisting 2/Level 2	/Y	VO	1.0		
8743030	ENGR ASSIST 3 Engineering Assisting 3/Level 2	/Y	VO	1.0		
8743040	ENGR ASSIST 4 Engineering Assisting 4/Level 2	/Y	VO	1.0		
8743050	ENGR ASSIST 5 Engineering Assisting 5/Level 2	/Y	VO	1.0		
8743060	ENGR ASSIST 6 Engineering Assisting 6/Level 2	/Y	VO	1.0		
I150603	INDUS TECH Industrial Technology	30, 31	/		IND ENGR 7 G	
ETI0600	DRAFT ASST MACH Drafting Assistant Machining	/Y	VO	2.0		
ETI0601	COST CONTROL ASST Cost Control Assistant	/Y	VO	2.0		
ETI0602	INDUST TECH ASST 1 Industrial Technician Assistant 1	/Y	VO	1.5		
ETI0603	INDUST TECH ASST 2 Industrial Technician Assistant 2	/Y	VO	1.5		
ETI0604	INDUST ENGR TECH 1 Industrial Engineering Technician 1	/Y	VO	1.5		
ETI0605	INDUST ENGR TECH 2 Industrial Engineering Technician 2	/Y	VO	1.5		

SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
----- PRODUCTION CAREER PATH (MNPB) -----					
<sup>a</sup> I470129	<sup>a</sup> ELECT SYS ASSEMBLY Electronic System Assembly	30, 31 /			TEC ELEC @7 7 G ELECTRONIC @7 7 G
<sup>a</sup> EEV0020	ELECT, ELECTR ASSEMB Electrical, Electronic Assembler	/Y	VO	3.0	
<sup>a</sup> 8754000	<sup>a</sup> MACHINING Machining	9- 12, 30, 31 /			MACH SHOP @7 7 G METAL WORK 7 G TOOL DIE 7 G
<sup>a</sup> 8754010	MACHINING 1 Machining 1/Level 2	/Y	VO	1.0	
<sup>a</sup> 8754020	MACHINING 2 Machining 2/Level 2	/Y	VO	1.0	
<sup>a</sup> 8754030	MACHINING 3 Machining 3/Level 2	/Y	VO	1.0	
<sup>a</sup> 8754040	MACHINING 4 Machining 4/Level 3	/Y	VO	1.0	
<sup>a</sup> 8754050	MACHINING 5 Machining 5/Level 3	/Y	VO	1.0	
<sup>a</sup> 8754060	MACHINING 6 Machining 6/Level 3	/Y	VO	1.0	
<sup>a</sup> 8754070	MACHINING 7 Machining 7/Level 3	/Y	VO	1.0	
<sup>a</sup> 8754080	MACHINING 8 Machining 8/Level 3	/Y	VO	1.0	
<sup>a</sup> 8754090	MACHINING 9 Machining 9/Level 3	/Y	VO	1.0	
<sup>a</sup> 8754091	MACHINING 10 Machining 10/Level 3	/Y	VO	1.0	
<sup>a</sup> I480503	<sup>a</sup> MACHINING Machining	30, 31 /			MACH SHOP @7 7 G METAL WORK 7 G TOOL DIE 7 G
PMF0020	MACHINIST HELPER Machinist Helper	/Y	VO	2.0	
<sup>a</sup> PMF0021	MACHINE OPERATOR Machine Operator	/Y	VO	3.0	
<sup>a</sup> PMF0023	MACHINE SETUP OP Machine Setup Operator	/Y	VO	3.0	
PMF0025	MACHINIST Machinist	/Y	VO	2.0	
<sup>a</sup> J200100	MACHINING TECH Machining Technologies	30, 31 /			MACH SHOP @7 7 G METAL WORK 7 G TOOL DIE 7 G
PMF0020	MACHINIST HELPER Machinist Helper	/Y	VO	2.0	
PMF0022	MACHINIST OPERATOR Machinist Operator	/Y	VO	2.0	
PMF0024	MACHINIST SETUP OP Machinist Setup Operator	/Y	VO	4.0	
PMF0025	MACHINIST Machinist	/Y	VO	2.0	
<sup>a</sup> 9202100	MACHINING TECHNOLOGY Machining Technology	9- 12, 30, 31 /			MACH SHOP @7 7 G METAL WORK 7 G TOOL DIE 7 G

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

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9202110	MACHINING TECH 1 Machining Technology 1/Level 2	/Y	PA	1.0		
9202120	MACHINING TECH 2 Machining Technology 2/Level 2	/Y	PA	1.0		
9202130	MACHINING TECH 3 Machining Technology 3/Level 2	/Y	PA	1.0		
9202140	MACHINING TECH 4 Machining Technology 4/Level 2	/Y	PA	1.0		
9202150	MACHINING TECH CAP Machining Technology Capstone/Level 2	/Y	PA	1.0		
<sup>a</sup> 8754300	<sup>a</sup> PRECISION METAL FAB Precision Metal Fabrication	9- 12, 30, 31 /			SHEETMETAL @7 7 G WELDING @7 7 G	METAL WORK 7 G
<sup>a</sup> 8754310	METAL FABRI CATION 1 Metal Fabri cation 1/Level 2	/Y	VO	1.0		
<sup>a</sup> 8754320	METAL FABRI CATION 2 Metal Fabri cation 2/Level 2	/Y	VO	1.0		
<sup>a</sup> 8754330	METAL FABRI CATION 3 Metal Fabri cation 3/Level 2	/Y	VO	1.0		
<sup>a</sup> 8754340	METAL FABRI CATION 4 Metal Fabri cation 4/Level 2	/Y	VO	1.0		
<sup>a</sup> 8754350	METAL FABRI CATION 5 Metal Fabri cation 5/Level 2	/Y	PA	1.0		
<sup>a</sup> 8754360	METAL FABRI CATION 6 Metal Fabri cation 6/Level 2	/Y	VO	1.0		
<sup>a</sup> 8754370	METAL FABRI CATION 7 Metal Fabri cation 7/Level 2	/Y	VO	1.0		
<sup>a</sup> 8754380	METAL FABRI CATION 8 Metal Fabri cation 8/Level 2	/Y	VO	1.0		
<sup>a</sup> 8754390	METAL FABRI CATION 9 Metal Fabri cation 9/Level 2	/Y	VO	1.0		
<sup>a</sup> 8754391	METAL FABRI CATION 10 Metal Fabri cation 10/Level 2	/Y	VO	1.0		
MAINTENANCE, INSTALLATION & REPAIR CAREER PATH (MNPC)						
J400100	BIOMED EQUIP RPR TEC Bi omedi cal Equipment Repai r Technology	30, 31 /			ELECTRONIC @7 7 G ENG 7 G	MED EQ TEC 7 G BIOMED EQ 7 G
AVS0095	BASIC ELECT TROUBLE Basic Electronics Troubl eshooter	/Y	VO	1.0		
EER0006	ELECT EQUIP REPAIR El ectroni cs Equipment Repai rer	/Y	VO	1.0		
EER0090	BIOMED ELECT TROUB 1 Bi omedi cal El ectroni cs Troubl eshooter 1	/Y	VO	1.0		
EER0091	BIOMED ELECT RPR TEC Bi omedi cal El ectroni cs Repai r Techni ci an	/Y	VO	1.0		
EER0092	BIOMED IMAGE EQUIP 1 Bi omedi cal Imagi ng Equi pment 1	/Y	VO	1.5		
EER0093	BIOMED IMAGE EQ TECH Bi omedi cal Imagi ng Equi pment Techni ci an	/Y	VO	1.5		

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			GRADUATION REQUIREMENTS			
9204100	BIOMED EQUIP TECH Biomedical Equipment Technology	9-12	/			ELECTRONIC @7 7 G ENG 7 G MED EQ TEC 7 G BIOMED EQ 7 G
9540310	ELECTRONICS FUND 1 Electronics Fundamentals 1/Level 2		/Y	VO	1.0	
9204110	ELECT EQUIP TROUBLE Electronics Equipment Troubleshooter /Level 2		/Y	VO	1.0	
9204120	MEDICAL ELECTRONIC 1 Medical Electronics 1/Level 2		/Y	VO	1.0	
9204130	BIOMED ELECT TECH Biomedical Electronics Technician/ Level 2		/Y	VO	1.0	
<sup>a</sup> 8751300	<sup>a</sup> BOAT&YCT RPR/REF TEC Boat and Yacht Repair/Refinishing Technology	9-12, 30, 31	/			SEAMANSHIP 7 G CARPENTRY @7 7 G
<sup>a</sup> 8751310	<sup>a</sup> BOAT & YCT R/R TEC 1 Boat and Yacht Repair/Refinishing Technology 1/Level 2		/Y	VO	1.0	
<sup>a</sup> 8751320	<sup>a</sup> BOAT & YCT R/R TEC 2 Boat and Yacht Repair/Refinishing Technology 2/Level 2		/Y	VO	1.0	
<sup>a</sup> 8751330	<sup>a</sup> BOAT & YCT R/R TEC 3 Boat and Yacht Repair/Refinishing Technology 3/Level 2		/Y	VO	1.0	
<sup>a</sup> 8751340	<sup>a</sup> BOAT & YCT R/R TEC 4 Boat and Yacht Repair/Refinishing Technology 4/Level 2		/Y	VO	1.0	
<sup>a</sup> 8751350	<sup>a</sup> BOAT & YCT R/R TEC 5 Boat and Yacht Repair/Refinishing Technology 5/Level 2		/Y	VO	1.0	
<sup>a</sup> 8751360	<sup>a</sup> BOAT & YCT R/R TEC 6 Boat and Yacht Repair/Refinishing Technology 6/Level 2		/Y	VO	1.0	
<sup>a</sup> 8751370	<sup>a</sup> BOAT & YCT R/R TEC 7 Boat and Yacht Repair/Refinishing Technology 7/Level 2		/Y	VO	1.0	
<sup>a</sup> 8751380	<sup>a</sup> BOAT & YCT R/R TEC 8 Boat and Yacht Repair/Refinishing Technology 8/Level 2		/Y	VO	1.0	
<sup>a</sup> 8751390	<sup>a</sup> BOAT & YCT R/R TEC 9 Boat and Yacht Repair/Refinishing Technology 9/Level 2		/Y	VO	1.0	
8730000	ELECTRONIC TECH Electronic Technology	9-12, 30, 31	/			TEC ELEC @7 7 G RADIO TV 7 G TV PRO TEC @7 7 G ELECTRONIC @7 7 G AVIONICS @7 7 G
8730010	ELECTRONIC 1 Electronic 1/Level 2		/Y	VO	1.0	
8730020	ELECTRONIC 2 Electronic 2/Level 3		/Y	VO	1.0	
8730030	ELECTRONIC 3 Electronic 3/Level 3		/Y	VO	1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8730040	ELECTRONIC 4 Electronic 4/Level 3	/Y	VO	1.0	
8730050	ELECTRONIC 5 Electronic 5/Level 3	/Y	VO	1.0	
8730060	ELECTRONIC 6 Electronic 6/Level 3	/Y	VO	1.0	
8730070	ELECTRONIC 7 Electronic 7/Level 3	/Y	VO	1.0	
8730080	ELECTRONIC 8 Electronic 8/Level 3	/Y	VO	1.0	
8730090	ELECTRONIC 9 Electronic 9/Level 3	/Y	VO	1.0	
8730091	ELECTRONIC 10 Electronic 10/Level 3	/Y	VO	1.0	
I150303	ELECTRONIC TECH Electronic Technology	30, 31	/		ELECTRONIC @7 7 G AVIONICS @7 7 G TV PRO TEC @7 7 G TEC ELEC @7 7 G RADIO TV 7 G
EEV0010	ELECTRONICS ASMBR Electronics Assembler	/Y	VO	2.0	
EEV0100	ELECTRONICS TESTER Electronics Tester	/Y	VO	3.0	
EEV0500	ELECT EQUIP RPR Electronics Equipment Repairer	/Y	VO	2.5	
EEV0616	ELECTRONICS TECH Electronics Technician	/Y	VO	3.0	
J540100	ELECTRONIC TECH 1 Electronic Technology 1	30, 31	/		ELECTRONIC @7 7 G AVIONICS @7 7 G TV PRO TEC @7 7 G TEC ELEC @7 7 G RADIO TV 7 G
EEV0010	ELECTRONICS ASMBR Electronics Assembler	/Y	VO	2.0	
EEV0100	ELECTRONICS TESTER Electronics Tester	/Y	VO	3.0	
J540200	ELECTRONIC TECH 2 Electronic Technology 2	30, 31	/		ELECTRONIC @7 7 G AVIONICS @7 7 G TV PRO TEC @7 7 G TEC ELEC @7 7 G RADIO TV 7 G
EEV0500	ELECT EQUIP RPR Electronics Equipment Repairer	/Y	VO	2.5	
EEV0616	ELECTRONICS TECH Electronics Technician	/Y	VO	3.0	
J550100	GAMING MAC RPR TEC Gaming Machine Repair Technician	30, 31	/		TEC ELEC @7 7 G COMP SVC 7 G ELECTRONIC @7 7 G SLOT MACH 7 G
EER0320	SLOT MACH ATTENDANT Slot Machine Attendant	/S	VO	0.5	
EER0321	SLOT MACHINE TECH Slot Machine Technician	/Y	VO	1.0	
^8736000	INDUS BIOTECH Industrial Biotechnology	9- 12, 30, 31	/		SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
3027010	BIOTECH 1 Biotechnology 1 (1 credit SC) Level 3	/Y	EQ	1.0	
3027020	BIOTECH 2 Biotechnology 2 (1 credit SC), Level 3	/Y	EQ	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
8736030	BIOTECH 3 Biotechnology 3, Level 3	/Y	VO	1.0		
<sup>a</sup> 8743100	<sup>a</sup> INDUS MACH MAINT/RPR Industrial Machinery Maintenance and Repair	9- 12, 30, 31 /			TEC CONSTR @7 7 G BLDG CONST @7 7 G	MILLWRIGHT 7 G IND ENGR 7 G
<sup>a</sup> 8743210	MAINTENANCE SKILLS 1 Maintenance Skills 1/Level 2	/Y	VO	1.0		
<sup>a</sup> 8743220	MAINTENANCE SKILLS 2 Maintenance Skills 2/Level 2	/Y	VO	1.0		
<sup>a</sup> 8743230	MAINTENANCE SKILLS 3 Maintenance Skills 3/Level 2	/Y	VO	1.0		
8743240	MACHINERY MAINT 4 Machinery Maintenance 4/Level 2	/Y	VO	1.0		
<sup>a</sup> 8743250	MACHINERY MAINT 5 Machinery Maintenance 5/Level 2	/Y	VO	1.0		
<sup>a</sup> 8743260	MACHINERY MAINT 6 Machinery Maintenance 6/Level 2	/Y	VO	1.0		
<sup>a</sup> 8743170	INDUSTRIAL MAINT 7 Industrial Maintenance 7/Level 2	/Y	VO	1.0		
<sup>a</sup> 8743180	INDUSTRIAL MAINT 8 Industrial Maintenance 8/Level 2	/Y	VO	1.0		
<sup>a</sup> 8743190	INDUSTRIAL MAINT 9 Industrial Maintenance 9/Level 2	/Y	VO	1.0		
I470303	INDUS MACH MAINT/RPR Industrial Machinery Maintenance and Repair	30, 31 /			TEC CONSTR @7 7 G MILLWRIGHT 7 G MACH SHOP @7 7 G	BLDG CONST @7 7 G IND ENGR 7 G
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	/Y	VO	3.0		
ETI0456	MACH MAINT MECH Machinery Maintenance Mechanic	/Y	VO	2.0		
ETI0457	MACH MAIN TECH Machinery Maintenance Technician	/Y	VO	1.0		
ETI0458	INDUS MAINT SPEC Industrial Maintenance Specialist	/Y	VO	3.0		
<sup>a</sup> 9204300	<sup>a</sup> INDUS MACH MAIN TECH Industrial Machinery Maintenance Technology	9- 12, 30, 31 /			TEC CONSTR @7 7 G BLDG CONST @7 7 G MACH SHOP @7 7 G	MILLWRIGHT 7 G IND ENGR 7 G
9204310	MACHINERY MAINT 1 Machinery Maintenance 1/Level 2	/Y	PA	1.0		
9204320	MACHINERY MAINT 2 Machinery Maintenance 2/Level 2	/Y	PA	1.0		
9204330	MACHINERY MAINT 3 Machinery Maintenance 3/Level 2	/Y	PA	1.0		
8743240	MACHINERY MAINT 4 Machinery Maintenance 4/Level 2	/Y	PA	1.0		
9204350	IND MACH MECH CAP Industrial Machinery Mechanic Technology Capstone/Level 2	/Y	PA	1.0		
J590100	INDUS MACH MAINT 1 Industrial Machinery Maintenance 1	30, 31 /			TEC CONSTR @7 7 G MILLWRIGHT 7 G MACH SHOP @7 7 G	BLDG CONST @7 7 G IND ENGR 7 G



## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	/Y	VO	3.0		
ETI0456	MACH MAINT MECH Machinery Maintenance Mechanic	/Y	VO	2.0		
J590200	INDUS MACH MAINT 2 Industrial Machinery Maintenance 2	30, 31	/		TEC CONSTR @7 7 G MILLWRIGHT 7 G MACH SHOP @7 7 G	BLDG CONST @7 7 G IND ENGR 7 G
ETI0457	MACH MAIN TECH Machinery Maintenance Technician	/Y	VO	1.0		
ETI0458	INDUS MAINT SPEC Industrial Maintenance Specialist	/Y	VO	3.0		
<sup>a</sup> 8745500	<sup>a</sup> JEWEL MAK & RPR Jewelry Making and Repair	9- 12, 30, 31	/		METAL WORK 7 G	JWLY MFGR 7 G
<sup>a</sup> 8745501	CLK/WCH/JEWLMAK&RPR1 Clock, Watch, Jewelry Making and Repair Core 1/Level 2	/Y	PA	1.0		
<sup>a</sup> 8745502	CLK/WCH/JEWLMAK&RPR2 Clock, Watch, Jewelry Making and Repair Core 2/Level 2	/Y	PA	1.0		
<sup>a</sup> 8745503	CLK/WCH/JEWLMAK&RPR3 Clock, Watch, Jewelry Making and Repair Core 3/Level 2	/Y	PA	1.0		
<sup>a</sup> 8745504	JEWL MAK & RPR 4 Jewelry Making and Repair 4/Level 2	/Y	PA	1.0		
<sup>a</sup> 8745505	JEWL MAK & RPR 5 Jewelry Making and Repair 5/Level 2	/Y	PA	1.0		
<sup>a</sup> 8745506	JEWL MAK & RPR 6 Jewelry Making and Repair 6/Level 2	/Y	PA	1.0		
<sup>a</sup> 8745507	JEWL MAK & RPR 7 Jewelry Making and Repair 7/Level 2	/Y	PA	1.0		
<sup>a</sup> 8745508	JEWL MAK & RPR 8 Jewelry Making and Repair 8/Level 2	/Y	PA	1.0		
<sup>a</sup> 8745509	JEWL MAK & RPR 9 Jewelry Making and Repair 9/Level 2	/Y	PA	1.0		
<sup>a</sup> 8745510	JEWL MAK & RPR 10 Jewelry Making and Repair 10/Level 2	/Y	PA	1.0		
<sup>a</sup> 8745511	JEWL MAK & RPR 11 Jewelry Making and Repair 11/Level 2	/Y	PA	1.0		
I480602	JEWELRY MAKING & RPR Jewelry Making and Repair	30, 31	/		METAL WORK 7 G	JWLY MFGR 7 G
PMT0650	CLK, WATCH & JEWL TE Clock, Watch and Jewelry Technician Assistant	/Y	PA	3.0		
PMT0630	JEWELRY DESI GNER Jewelry Designer	/Y	PA	3.0		
PMT0640	WAX MODELER/CASTING Wax Modeler/Casting	/Y	PA	1.0		
PMT0641	JEWELRY REPAIRER Jewelry Repairer	/Y	PA	2.0		
PMT0632	STONE SETTER Stone Setter	/Y	PA	1.0		

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
PMT0645	JEWELRY FINISHING TE Jewelry Fini shing Techni cian	/Y	PA	1.0	
J450400	JEWL MAKING & RPR1 Jewelry Making and Repair 1	30, 31	/		METAL WORK 7 G JWLY MFGR 7 G
PMT0650	CLK, WATCH & JEWL TE Clock, Watch and Jewelry Techni cian Assistant	/Y	PA	3.0	
PMT0630	JEWELRY DESIGNER Jewelry Design er	/Y	PA	3.0	
J450500	JEWL MAKING & RPR 2 Jewelry Making and Repair 2	30, 31	/		METAL WORK 7 G JWLY MFGR 7 G
PMT0640	WAX MODELER/CASTING Wax Modeler/Casting	/Y	PA	1.0	
PMT0641	JEWELRY REPAIRER Jewelry Repairer	/Y	PA	2.0	
PMT0632	STONE SETTER Stone Setter	/Y	PA	1.0	
PMT0645	JEWELRY FINISHING TE Jewelry Fini shing Techni cian	/Y	PA	1.0	
I470106	MAJ APP & REFG RPR Major Appliance and Refrigeration Repair	30, 31	/		GAS FITTER 7 G APPLI REPR @7 7 G
EER0310	APPLIANCE HELPER Appliance Helper	/Y	VO	2.0	
EER0315	LAUNDRY TECH Laundry Techni cian	/Y	VO	2.0	
EER0317	KITCHEN TECH Kitchen Techni cian	/Y	VO	3.0	
ACR0046	REFG TECH Refrigerati on Techni cian	/Y	VO	3.0	
8706000	MAJ APP & REFG RPR Major Appliance and Refrigeration Repair	9- 12, 30, 31	/		GAS FITTER 7 G APPLI REPR @7 7 G
8706010	RES APP & REFG RPR 1 Residential Appliance and Refrigeration Repair 1/Level 2	/Y	VO	1.0	
8706020	RES APP & REFG RPR 2 Residential Appliance and Refrigeration Repair 2/Level 2	/Y	VO	1.0	
8706030	RES APP & REFG RPR 3 Residential Appliance and Refrigeration Repair 3/Level 2	/Y	VO	1.0	
8706040	RES APP & REFG RPR 4 Residential Appliance and Refrigeration Repair 4/Level 2	/Y	VO	1.0	
8706050	RES APP & REFG RPR 5 Residential Appliance and Refrigeration Repair 5/Level 2	/Y	VO	1.0	
8706060	RES APP & REFF RPR 6 Residential Appliance and Refrigerati on Repair 6/Level 2	/Y	VO	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
8706070	MAJ APP & REFF RPR 7 Major Appliance and Refrigeration Repair 7/Level 2	/Y	VO	1.0		
8706080	MAJ APP & REFF RPR 8 Major Appliance and Refrigeration Repair 8/Level 2	/Y	VO	1.0		
8706090	MAJ APP & REFF RPR 9 Major Appliance and Refrigeration Repair 9/Level 2	/Y	VO	1.0		
8706100	MAJ APP & REFR RPR10 Major Appliance and Refrigeration Repair 10/Level 2	/Y	VO	1.0		
J620100	MAJ APP & REFG RPR 1 Major Appliance and Refrigeration Repair 1	30, 31	/		GAS FITTER 7 G	APPLI REPR @7 7 G
EER0310	APPLIANCE HELPER Appliance Helper	/Y	VO	2.0		
EER0315	LAUNDRY TECH Laundry Technician	/Y	VO	2.0		
J620200	MAJ APP & REFG RPR 2 Major Appliance and Refrigeration Repair 2	30, 31	/		GAS FITTER 7 G	APPLI REPR @7 7 G
EER0317	KITCHEN TECH Kitchen Technician	/Y	VO	3.0		
ACR0046	REFG TECH Refrigeration Technician	/Y	VO	3.0		
9202200	MARITIME RPR/REF TEC Maritime Repair/Refinishing Technology	9- 12, 30, 31	/		SEAMANSHIP 7 G	CARPENTRY @7 7 G
9202210	MARITIME RPR/REF 1 Maritime Repair/Refinishing Technology 1/Level 2	/Y	PA	1.0		
9202220	MARITIME RPR/REF 2 Maritime Repair/Refinishing Technology 2/Level 2	/Y	PA	1.0		
9202230	MARITIME RPR/REF 3 Maritime Repair/Refinishing Technology 3/Level 2	/Y	PA	1.0		
9202240	MARITIME RPR/REF 4 Maritime Repair/Refinishing Technology 4/Level 2	/Y	PA	1.0		
a8743200	aMILLWRIGHT Millwright	9- 12, 30, 31	/		TEC CONSTR @7 7 G BLDG CONST @7 7 G	MILLWRIGHT 7 G IND ENGR 7 G
a8743210	MAINTENANCE SKILLS 1 Maintenance Skills 1/Level 2	/Y	VO	1.0		
a8743220	MAINTENANCE SKILLS 2 Maintenance Skills 2/Level 2	/Y	VO	1.0		
a8743230	MAINTENANCE SKILLS 3 Maintenance Skills 3/Level 2	/Y	VO	1.0		
8743240	MACHINERY MAINT 4 Machinery Maintenance 4/Level 2	/Y	VO	1.0		
a8743250	MACHINERY MAINT 5 Machinery Maintenance 5/Level 2	/Y	VO	1.0		

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
<sup>a</sup> 8743260	MACHINERY MAINT 6 Machinery Maintenance 6/Level 2	/Y	VO	1.0	
<sup>a</sup> 8743270	MILLWRIGHT 7 Millwright 7/Level 2	/Y	VO	1.0	
<sup>a</sup> 8743280	MILLWRIGHT 8 Millwright 8/Level 2	/Y	VO	1.0	
<sup>a</sup> 8743290	MILLWRIGHT 9 Millwright 9/Level 2	/Y	VO	1.0	
I470313	MILLWRIGHT Millwright	30, 31 /			TEC CONSTR @7 7 G BLDG CONST @7 7 G MACH SHOP @7 7 G MILLWRIGHT 7 G IND ENGR 7 G
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	/Y	VO	3.0	
ETI0456	MACH MAINT MECH Machinery Maintenance Mechanic	/Y	VO	2.0	
ETI0457	MACH MAIN TECH Machinery Maintenance Technician	/Y	VO	1.0	
ETI0459	MILLWRIGHT Millwright	/Y	VO	3.0	
J590400	MILLWRIGHT 1 Millwright 1	30, 31 /			TEC CONSTR @7 7 G BLDG CONST @7 7 G MACH SHOP @7 7 G MILLWRIGHT 7 G IND ENGR 7 G
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	/Y	VO	3.0	
ETI0456	MACH MAINT MECH Machinery Maintenance Mechanic	/Y	VO	2.0	
J590500	MILLWRIGHT 2 Millwright 2	30, 31 /			TEC CONSTR @7 7 G BLDG CONST @7 7 G MACH SHOP @7 7 G MILLWRIGHT 7 G IND ENGR 7 G
ETI0457	MACH MAIN TECH Machinery Maintenance Technician	/Y	VO	1.0	
ETI0459	MILLWRIGHT Millwright	/Y	VO	3.0	
<sup>a</sup> 8754500	WELDING TECHNOLOGIES Welding Technologies	9-12, 30, 31 /			WELDING @7 7 G METAL WORK 7 G
<sup>a</sup> 8754510	WELDING TECH 1 Welding Technologies 1/Level 2	/Y	VO	1.0	
<sup>a</sup> 8754520	WELDING TECH 2 Welding Technologies 2/Level 2	/Y	VO	1.0	
<sup>a</sup> 8754530	WELDING TECH 3 Welding Technologies 3/Level 2	/Y	VO	1.0	
<sup>a</sup> 8754540	WELDING TECH 4 Welding Technologies 4/Level 2	/Y	VO	1.0	
<sup>a</sup> 8754550	WELDING TECH 5 Welding Technologies 5/Level 2	/Y	VO	1.0	
<sup>a</sup> 8754560	WELDING TECH 6 Welding Technologies 6/Level 2	/Y	VO	1.0	
<sup>a</sup> 8754570	WELDING TECH 7 Welding Technologies 7/Level 2	/Y	VO	1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
a8754580	WELDING TECH 8 Welding Technologies 8/Level 2	/Y	VO		1.0	
aI480500	WELDING TECHNOLOGIES Welding Technologies	30, 31	/			WELDING @7 7 G METAL WORK 7 G
aPMT0011	WELDER HELPER Welder Helper	/Y	VO		1.5	
aPMT0012	WELDER, SHIELDED MA Welder, Shielded Metal Arc	/Y	VO		2.0	
aPMT0013	WELDER, GAS-METAL AR Welder, Gas-Metal Arc	/Y	VO		1.0	
aPMT0014	WELDER, FLUX CORED A Welder, Flux Cored Arc	/S	VO		0.5	
aPMT0015	WELDER, GAS-TUNG ARC Welder, Gas-Tungsten Arc	/Y	VO		1.0	
aPMT0016	WELDER, PIPE Welder, Pipe	/Y	VO		2.0	
oJ400400	WELDING TECHNOLOGY Welding Technology	30, 31	/			WELDING @7 7 G METAL WORK 7 G
PMT0070	WELDER ASSISTANT 1 Welder Assistant 1	/Y	VO		1.0	
PMT0071	WELDER ASSISTANT 2 Welder Assistant 2	/Y	VO		1.0	
PMT0072	WELDER, SMAW 1 Welder, SMAW 1	/Y	VO		1.0	
PMT0073	WELDER, SMAW 2 Welder, SMAW 2	/Y	VO		1.0	
PMT0074	WELDER Welder	/Y	VO		3.0	
oJ400410	WELDING TECH - ADV Welding Technology - Advanced	30, 31	/			WELDING @7 7 G METAL WORK 7 G
PMT0075	ADVANCED WELDER 1 Advanced Welder 1	/Y	VO		4.0	
PMT0076	ADVANCED WELDER 2 Advanced Welder 2	/Y	VO		1.0	
o9204400	WELDING TECH FUND Welding Technology Fundamentals	9- 12, 30, 31	/			WELDING @7 7 G METAL WORK 7 G
9204410	WELD TECH FUNDS 1 Welding Technology Fundamentals 1/ Level 2	/Y	PA		1.0	
9204420	WELD TECH FUNDS 2 Welding Technology Fundamentals 2/ Level 2	/Y	PA		1.0	
9204430	WELD TECH FUNDS 3 Welding Technology Fundamentals 3/ Level 2	/Y	PA		1.0	
9204440	WELD TECH FUNDS 4 Welding Technology Fundamentals 4/ Level 2	/Y	PA		1.0	
9204450	WELD TECH FUNDS CAP Welding Technology Fundamentals Capstone/Level 2	/Y	PA		1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSE MEETING	
						TEC ED	IND ENGR
SUPPLEMENTAL PROGRAMS							
9260400	FUND OF MANUFACTUR Fundamentals of Manufacturing	6-8	/S VO			TEC ED	1 @2
						AUTO PROD 7G	
						ENG	7 G
						IND ENGR	7 G
						TEC ED	1 @2
9260350	INTRO TO MANUFACTUR Introduction to Manufacturing	6-8	/S VO	MULTIPLE		AUTO PROD 7G	
						ENG	7 G
						IND ENGR	7 G
						TEC ED	1 @2
9260360	INTRO TO MANUF & CP Introduction to Manufacturing and Career Planning	6-8	/S VO	MULTIPLE		AUTO PROD 7G	
						ENG	7 G
						IND ENGR	7 G
						TEC ED	1 @2
9200420	MANUFACTURING OJT Manufacturing Cooperative Education OJT	9-12, 30, 31	/M VO	MULTIPLE		SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
J609999	MANUFACTURING OJT Manufacturing Cooperative Education OJT	30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
9201000	MANUF DIRECTED ST Manufacturing Directed Study	1112, 30, 31	/M VO	MULTIPLE		SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
<sup>a</sup> 8700300	<sup>a</sup> PRAC, TECH&INDUS OCCS Practical, Technical and Industrial Occupations	9-12, 30, 31	/Y			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
<sup>a</sup> 8700310	PRAC APPLIANCE SER Practical Appliance Service		/Y VO		1.0		
<sup>a</sup> 8700320	PRAC ENGINE MECH Practical Engine Mechanics		/Y VO		1.0		
<sup>a</sup> 8700330	PRAC CONST TRADES Practical Construction Trades		/Y VO		1.0		
<sup>a</sup> 8700340	PRAC ELEC/ELECT Practical Electrical/Electronics		/Y VO		1.0		
<sup>a</sup> 8700350	PRAC METAL WORK Practical Metal Work		/Y VO		1.0		
<sup>a</sup> 8700360	PRAC CMCL FOODS Practical Commercial Foods		/Y VO		1.0		
<sup>a</sup> 8700370	PRAC GRAPHIC ARTS Practical Graphic Arts		/Y VO		1.0		
<sup>a</sup> 8700380	PRAC DRAFTING Practical Drafting		/Y PA		1.0		
<sup>a</sup> 8700390	PRAC AV CAREERS Practical Aviation Careers		/Y VO		1.0		
APPRENTICESHIP PROGRAMS							
I48054R	APLD WELD TECH - APPR Applied Welding Technologies - Apprenticeship	30, 31	/				

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSE MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
I48020R	CMCL SGN DSNFAB- APPR Commercial Sign Design and Fabrication - Apprenticeship	30, 31	/		
I15040R	ELEC & INST TECH-APP Electrical and Instrumentation Technology - Apprenticeship	30, 31	/		
I15030R	ELECT TECH - APPR Electronic Technology - Apprenticeship	30, 31	/		
I47031R	INDUS MACH MAINT-APP Industrial Machinery Maintenance - Apprenticeship	30, 31	/		
I48060R	IND PLASTICS - APPR Industrial Plastics - Apprenticeship	30, 31	/		
I48050R	MACHINING - APPR Machining - Apprenticeship	30, 31	/		
I47010R	MAJ APP&REFG RPR APP Major Appliance and Refrigeration Repair - Apprenticeship	30, 31	/		
I47032R	MILLWRIGHT - APPR Millwright - Apprenticeship	30, 31	/		
I48052R	SH MTL FAB TECH-APP Sheet Metal Fabrication Technology - Apprenticeship	30, 31	/		

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MARKETING, SALES & SERVICES CAREER CLUSTER

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 MANAGEMENT & ENTREPRENEURSHIP CAREER PATH (MKPA)  
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M618020	BUSINESS OWNERSHIP Business Ownership	30, 31	/		WHOLESALE 7 G MKTG 1 RETAILING @7 7 G	MKTG MGMT @7 7 G BUS ED 1	
MKA0092	(BUS OWNER) GEN MGR (Business Owner) General Manager		/Y	PA	1.0		
8812000	BUSINESS OWNERSHIP Business Ownership/Level 3	9- 12, 30, 31	/Y	PA	1.0	WHOLESALE 7 G MKTG 1 RETAILING @7 7 G	MKTG MGMT @7 7 G BUS ED 1
8812100	ENTREPRENEURSHIP Entrepreneurship	9- 12, 30, 31	/			BUS ED 1 VOE @7 RETAILING @7 7 G	MKTG 1 TC COOP ED @7 MKTG MGMT @7 7 G
8812110	PRIN OF ENTREP Principles of Entrepreneurship/Level 2		/Y	PA	1.0	WHOLESALE 7 G	
8812120	BUS MGMT & LAW Business Management and Law/Level 3		/Y	VO	1.0		
8812000	BUSINESS OWNERSHIP Business Ownership/Level 3		/Y	PA	1.0		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
M803010	ENTREPRENEURSHIP Entrepreneurship	30, 31 /			MKTG MGMT @7 7 G MKTG 1 BUS ED 1 RETAILING @7 7 G	WHOLESAL 7 G VOE @7 TC COOP ED @7
MKA0090	BUSINESS DEV MGR Business Development Manager	/Y	PA	2.0		
MKA0091	(ENT) GEN MANAGER (Entrepreneur) General Manager	/Y	VO	1.0		
PROFESSIONAL SALES & MARKETING CAREER PATH (MKPB)						
8827200	E-COMMERCE MKTG E-Commerce Marketing	9- 12, 30, 31 /			MKTG 1 BUS ED 1 @2	MKTG MGMT @7 7 G RETAILING @7 7 G
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	/Y	PA	1.0		
8827120	MKT APPLICATI ONS Marketing Applications/Level 2	/Y	PA	1.0		
8827210	E-COMMERCE MKT E-Commerce Marketing/Level 2	/Y	VO	1.0		
M899992	E-COMMERCE MKT E-Commerce Marketing	30, 31 /			MKTG 1 BUS ED 1 @2	MKTG MGMT @7 7 G RETAILING @7 7 G
MKA0432	SALESPERSON, RETAIL Salesperson, Retail	/Y	PA	2.0		
MKA0455	(E-COMM) CPT SPEC (E-Commerce) Computer Specialist	/Y	VO	1.0		
8806000	FASHI ON MARKETI NG Fashion Marketing	9- 12, 30, 31 /			MKTG 1 RETAILING @7 7 G	MKTG MGMT @7 7 G
8806010	FASH ESSENTIALS Fashion Essentials/Level 2	/Y	PA	1.0		
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	/Y	PA	1.0		
8806020	FASHI ON APPL Fashion Applications/Level 2	/Y	PA	1.0		
8827120	MKT APPLICATI ONS Marketing Applications/Level 2	/Y	PA	1.0		
8806030	FASH MKT MGMT Fashion Marketing Management/ Level 3	/Y	PA	1.0		
M801020	FASHI ON MARKETI NG Fashion Marketing	30, 31 /			MKTG 1 RETAILING @7 7 G	MKTG MGMT @7 7 G
MKA0432	SALESPERSON, RETAIL Salesperson, Retail	/Y	PA	2.0		
MKA0433	RETAIL MANAGER Retail Manager	/Y	PA	1.0		
8839100	INTERNATI ONAL MKT International Marketing	9- 12, 30, 31 /			TC COOP ED @7 MKTG 1 RETAILING @7 7 G	WHOLESAL 7 G MKTG MGMT @7 7 G
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	/Y	PA	1.0		
8839110	INTL MKT 1 International Marketing 1/Level 2	/Y	VO	1.0		



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8839120	INTL MKT 2 International Marketing 2/Level 2	/Y	VO	1.0			
8839130	INTL MKT 3 International Marketing 3/Level 3	/Y	VO	1.0			
M807030	INTERNATIONAL MKT International Marketing	30, 31	/		MKTG MKTG MGMT	1 @7 7 G	WHOLESALE RETAILING
MKA0096	(IMP/EXP) BILL CLERK (Import/Export) Billing Clerk	/Y	VO	2.0			7 G @7 7 G
MKA0097	(IMP/EXP) DOC CLERK (Import/Export) Documentation Clerk	/Y	VO	1.0			
MKA0098	(IMP/EXP) SALES MGR (Import/Export) Sales Manager	/Y	VO	1.0			
<sup>a</sup> 8827100	<sup>a</sup> MKT Marketing	9- 12, 30, 31	/		MKTG ADVR PROM	1 7 G	MKTG MGMT RETAILING
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	/Y	PA	1.0			@7 7 G @7 7 G
8827120	MKT APPLICATI ONS Marketing Applications/Level 2	/Y	PA	1.0			
8827130	MKT MANAGEMENT Marketing Management/Level 2	/Y	PA	1.0			
<sup>a</sup> M899991	<sup>a</sup> MARKETING Marketing	30, 31	/		MKTG ADVR PROM	1 7 G	MKTG MGMT RETAILING
MKA0432	SALESPERSON, RETAIL Salesperson, Retail	/Y	PA	2.0			@7 7 G @7 7 G
MKA0010	MARKETING MANAGERS Marketing Managers	/Y	VO	1.0			
M200500	MKT, MGMT & ENTREN Marketing, Management and Entrepreneurial Principles PSAV	30, 31	/		MKTG MKTG MGMT	1 @7 7 G	RETAILING ADVR PROM
MKA0432	SALESPERSON, RETAIL Salesperson, Retail	/Y	PA	2.0			@7 7 G @7 7 G
MKA0010	MARKETING MANAGERS Marketing Managers	/Y	VO	1.0			
MKA0091	(ENT) GEN MANAGER (Entrepreneur) General Manager	/Y	VO	1.0			
9200500	MKT, MGMT & ENTREN Marketing, Management and Entrepreneurial Principles Secondary	9- 12, 30, 31	/		MKTG MKTG MGMT	1 @7 7 G	RETAILING ADVR PROM
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	/Y	PA	1.0			@7 7 G @7 7 G
8827120	MKT APPLICATI ONS Marketing Applications/Level 2	/Y	PA	1.0			
8827130	MKT MANAGEMENT Marketing Management/Level 2	/Y	PA	1.0			
8812000	BUSINESS OWNERSHIP Business Ownership/Level 3	/Y	PA	1.0			
<sup>a</sup> 9303100	<sup>a</sup> NON-PROFIT MKT Non-Profit Marketing	9- 12, 30, 31	/		MKTG ADVR PROM	1 7 G	MKTG MGMT RETAILING
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	/Y	PA	1.0			@7 7 G @7 7 G
8827120	MKT APPLICATI ONS Marketing Applications/Level 2	/Y	PA	1.0			

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a9303110	NON-PROFIT MKT MGMT Non-Profit Marketing Management/ Level 2	/Y	VO	1.0		
aM200400	aNON-PROFIT MKT Non-Profit Marketing	30, 31	/		MKTG ADVR PROM	1 7 G
MKA0432	SALESPERSON, RETAIL Salesperson, Retail	/Y	PA	2.0		MKTG MGMT @7 7 G RETAILING @7 7 G
aMKA0510	PUBLIC REL MGRS Public Relations Managers	/Y	VO	1.0		
M807040	REAL EST APPRA TRAIN Real Estate Appraiser Trainee	30, 31	/		REAL ESTAT	7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
REE0049	REAL EST APPRAISER Real Estate Appraiser Trainee	/S	VO	0.5		
M807020	REAL ESTA BRKR Real Estate Broker	30, 31	/		REAL ESTAT	7 G
REE0048	REAL ESTATE BROKER Real Estate Broker	/Y	VO	0.0		
M807010	REAL ESTA SLS AGT Real Estate Sales Agent	30, 31	/		REAL ESTAT	7 G
REE0047	REAL ESTATE SALES AG Real Estate Sales Agent	/Y	VO	0.0		
M200100	REAL EST SLS ASSC PL Real Estate Sales Associate Post Li censing	30, 31	/		REAL ESTAT	7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE
REE0089	REAL EST SALES ASSC Real Estate Sales Associate Post Li censing	/Y	VO	0.0		
8827400	SPRT REC ENT MKT Sport, Recreation, and Entertainment Marketing	9-12, 30, 31	/		MKTG ADVR PROM	1 7 G
8827410	SPORT REC ENT ESSEN Sport, Recreation, and Entertainment Essentials/Level 2	/Y	VO	1.0		
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	/Y	PA	1.0		
8827420	SPORT REC ENT APPL Sport, Recreation, and Entertainment Applications/Level 2	/Y	PA	1.0		
8827120	MKT APPLI CATIONS Marketing Applications/Level 2	/Y	PA	1.0		
8827430	SPRT REC ENT MKT MGM Sport, Recreation, and Entertainment Marketing Management/Level 3	/Y	VO	1.0		
8827440	SPRT REC ENT INTERN Sport, Recreation and Entertainment Internship/ Level 2 OR	/M	VO	1.0		
8800410	MARKETING COOP-OJT Marketing Cooperative Education-OJT /Level 2	/M	VO	MULTIPLE		
M899400	SPRT REC ENT MKT Sport, Recreation, and Entertainment Marketing	30, 31	/		MKTG ADVR PROM	1 7 G
						MKTG MGMT @7 7 G RETAILING @7 7 G

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MKA0432	SALESPERSON, RETAIL Salesperson, Retail	/Y	PA	2.0	
MKA0080	ENTERTAIN, SPTS & RE Entertainment, Sports and Related Workers	/Y	VO	2.0	
MKA0010	MARKETING MANAGERS Marketing Managers	/Y	VO	1.0	
MARKETING INFORMATION MANAGEMENT & RESEARCH CAREER PATH (MKPE)					
8848100	CUSTOMER SERV REPR Customer Service Representative	9-12, 30, 31	/Y VO		ADVR PROM 7 G MKTG MGMT @7 7 G BANK FINC @7 7 G TRANSPORT @4 WHOLESA 7 G RETAILING @7 7 G HOTEL TRNG 7 G MKTG 1 INSURANCE 7 G TRANSPORT @7 7 G BUS ED 1 @2
8848110	CUST SER REP 1 Customer Service Representative 1/ Level 2	/Y	VO	1.0	
8848120	CUST SER REP 2 Customer Service Representative 2/ Level 2	/Y	VO	1.0	
8848130	CUST SER REP 3 Customer Service Representative 3/ Level 2	/Y	VO	1.0	
8848140	CUST SER REP 4 Customer Service Representative 4/ Level 2	/Y	VO	1.0	
M807060	CUSTOMER SERV REPR Customer Service Representative	30, 31	/		ADVR PROM 7 G MKTG MGMT @7 7 G INSURANCE 7 G TRANSPORT @7 7 G BANK FINC @7 7 G RETAILING @7 7 G HOTEL TRNG 7 G MKTG 1 TRANSPORT @4 WHOLESA 7 G BUS ED 1 @2
MNA0135	TELECOMM CLERK Telecommunications Clerk	/Y	VO	1.0	
MNA0136	TELESALES REP Telesales Representative	/Y	VO	1.0	
MNA0084	CUST SER REP Customer Service Representative	/Y	VO	1.0	
MNA0085	CUST SER MANAGER Customer Service Manager	/Y	VO	1.0	
M600100	CUSTOMER SERV REPR 1 Customer Service Representative 1	30, 31	/		ADVR PROM 7 G MKTG MGMT @7 7 G INSURANCE 7 G TRANSPORT @7 7 G BANK FINC @7 7 G RETAILING @7 7 G HOTEL TRNG 7 G MKTG 1 TRANSPORT @4 WHOLESA 7 G BUS ED 1 @2
MNA0135	TELECOMM CLERK Telecommunications Clerk	/Y	VO	1.0	

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MNA0136	TELESALES REP Telesales Representative	/Y	VO	1.0		
M600200	CUSTOMER SERV REPR 2 Customer Service Representative 2	30, 31	/		ADVR PROM 7 G MKTG MGMT @7 7 G INSURANCE 7 G TRANSPORT @7 7 G BANK FINC @7 7 G RETAILING @7 7 G	HOTEL TRNG 7 G MKTG 1 TRANSPORT @4 WHOLESALE 7 G BUS ED 1 @2
MNA0084	CUST SER REP Customer Service Representative	/Y	VO	1.0		
MNA0085	CUST SER MANAGER Customer Service Manager	/Y	VO	1.0		
<sup>a</sup> M807068	<sup>a</sup> CUST SERV TECH-ATD Customer Service Technology-ATD	30, 31	/			
<sup>a</sup> MNA0087	<sup>a</sup> TELEPHONE SER REP Telephone Service Representative	/Y	VO	2.0		
<sup>a</sup> MNA0089	<sup>a</sup> CUST SERVICE REP-ATD Customer Service Representative-ATD	/Y	VO	1.0		
----- DISTRIBUTION & LOGISTICS CAREER PATH (MKPF) -----						
M812040	IND DIST & MGMT Industrial Distribution and Management	30, 31	/		MKTG 1 MKTG MGMT @7 7 G	WHOLESALE 7 G RETAILING @7 7 G
MNA0088	CUST SERVICE SPEC Customer Service Specialist	/Y	VO	1.5		
MKA0631	BILLING CLERK Billing Clerk	/Y	VO	1.5		
MKA0632	STOCK CLERK Stock Clerk	/Y	VO	1.0		
MKA0633	SALES REP, W&MANF Sales Representatives, Wholesale and Manufacturing	/Y	VO	2.0		
8809100	MKT MCH & PARTS OPS Marketing, Merchandising & Parts Operations	9- 12, 30, 31	/		MKTG 1 MKTG MGMT @7 7 G BUS ED 1 @2	WHOLESALE 7 G RETAILING @7 7 G
8809108	RETAIL ESSEN Retail Essentials/Level 2	/Y	VO	1.0		
8809101	DELIVERY OPS Delivery Operations/Level 2	/S	VO	0.5		
8809102	WAREHOUSING OPS Warehousing Operations/Level 2	/Y	VO	1.0		
8809103	BILL OPS Billing Operations/Level 2	/S	VO	0.5		
8809104	PARTS ACCT OPS Parts Accounting Operations/Level 2	/Y	VO	1.0		
8809107	CATALOGING OPS Cataloging Operations/Level 2	/S	VO	0.5		
8809109	PARTS SPEC 1 Parts Specialist 1/Level 2	/S	VO	0.5		
8809110	PARTS SPEC 2 Parts Specialist 2/Level 2	/Y	VO	1.0		

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8809111	PARTS SPEC 3 Parts Specialist 3/Level 2	/Y	VO	1.0	
8809105	INV CON OPS Inventory Control Operations/Level 2	/S	VO	0.5	
8809106	PURCHASING OPS Purchasing Operations/Level 2	/S	VO	0.5	
8809112	MKT MANAGEMENT OPS Marketing Management Operations/ Level 2	/Y	VO	1.0	
MB12031	MKT MCH & PARTS OPS Marketing, Merchandising & Parts Operations	30, 31	/		MKTG 1 MKTG MGMT @7 7 G BUS ED 1 @2 WHOLESALE 7 G RETAILING @7 7 G
MKA0640	SALES REPRESENTATIVE Sales Representative	/Y	VO	1.0	
MKA0641	DRI VER/SALES WKRS Driver/Sales Workers	/S	VO	0.5	
MKA0642	WAREHOUSEMAN Warehouseman	/Y	VO	1.0	
MKA0643	BILL, COST&RATE CLERK Billing, Cost and Rate Clerk	/S	VO	0.5	
MKA0644	PARTS ACCT CLERK Parts Accounting Clerk	/Y	VO	1.0	
MKA0645	ORDER CLERK Order Clerk	/S	VO	0.5	
MKA0646	PARTS SPECIALIST Parts Specialist	/Y	VO	2.5	
MKA0647	STOCKROOM CLERK Stockroom Clerk	/S	VO	0.5	
MKA0648	PURCHASING AGENT Purchasing Agent	/S	VO	0.5	
MKA0649	DI STRIBUTION MANAGER Di stribution Manager	/Y	VO	1.0	
M700100	MKT MCH & PARTS OPS1 Marketing, Merchandising & Parts Operations 1	30, 31	/		MKTG 1 MKTG MGMT @7 7 G BUS ED 1 @2 WHOLESALE 7 G RETAILING @7 7 G
MKA0640	SALES REPRESENTATIVE Sales Representative	/Y	VO	1.0	
MKA0643	BILL, COST&RATE CLERK Billing, Cost and Rate Clerk	/S	VO	0.5	
MKA0644	PARTS ACCT CLERK Parts Accounting Clerk	/Y	VO	1.0	
MKA0647	STOCKROOM CLERK Stockroom Clerk	/S	VO	0.5	
MKA0648	PURCHASING AGENT Purchasing Agent	/S	VO	0.5	
MKA0649	DI STRIBUTION MANAGER Di stribution Manager	/Y	VO	1.0	
M700200	MKT MCH & PARTS OPS2 Marketing, Merchandising & Parts Operations 2	30, 31	/		MKTG 1 MKTG MGMT @7 7 G BUS ED 1 @2 WHOLESALE 7 G RETAILING @7 7 G
MKA0641	DRI VER/SALES WKRS Dri ver/Sales Workers	/S	VO	0.5	

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MKA0642	WAREHOUSEMAN Warehouseman	/Y	VO	1.0	
MKA0645	ORDER CLERK Order Clerk	/S	VO	0.5	
MKA0646	PARTS SPECIALIST Parts Specialist	/Y	VO	2.5	
SUPPLEMENTAL PROGRAMS					
8800210	EX OF MKT OCCS Exploration of Marketing Occupations	6-8	/S	VO	BUS ED 1 MKTG MGMT @7 7 G MKTG 1
9380300	FUND OF MARKET OCCS Fundamentals of Marketing Occupations	6-8	/S	VO	BUS ED 1 MKTG MGMT @7 7 G MKTG 1
9309350	INTRO MKT SAL & SR Introduction to Marketing Sales and Services	6-8	/S	VO	MULTIPLE BUS ED 1 MKTG MGMT @7 7 G MKTG 1 @2
9309360	INTRO MKT & CP Introduction to Marketing Sales and Services and Career Planning	6-8	/S	VO	MULTIPLE BUS ED 1 MKTG MGMT @7 7 G MKTG 1 @2
8800410	MARKETING COOP-OJT Marketing Cooperative Education- OJT /Level 2	9-12, 30, 31	/M	VO	MULTIPLE MKTG 1 @2
M899990	MARKETING COOP-OJT Marketing Cooperative Education-OJT /Level 2	30, 31	/		MKTG 1 @2
8800100	MKT ED DIR STUDY Marketing Education Directed Study	11-12, 30, 31	/M	VO	MULTIPLE ANY MARKETING ED G
8899990	MKT ED TRAN Marketing Education Transfer	9-12, 30, 31	/		NA
M000000	MKT ED TRANSFER Marketing Education Transfer	30, 31	/		NA
8800110	ORIEN TO MKT OCCS Orientation to Marketing Occupations	6-8	/S	VO	BUS ED 1 MKTG MGMT @7 7 G MKTG RETAILING @7 7 G MKTG 1 @2
8800310	PRACTICAL ENTREP SK Practical Entrepreneurship Skills	9-12, 30, 31	/S	VO	0.5 RETAILING @7 7 G MKTG MGMT @7 7 G WHOLESALE 7 G

## TRANSPORTATION, DISTRIBUTION &amp; LOGISTICS CAREER CLUSTER

## FACILITY &amp; MOBILE EQUIPMENT MAINTENANCE CAREER PATH (TRPD)

T600100	ADV AUTO SVR TECH 1 Advanced Automotive Service Technology 1	30, 31	/		AUTO MECH @7 7 G AUTO IND @7 %7 %G
AERO011	AUTO MAINT TECH Automotive Maintenance Technician	/Y	VO	2.5	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	GRADUATION REQUIREMENTS		CERTIFICATION
AERO319	ADV AUTO ELEC TECH Advanced Automotive Electrical / Electronic System Technician		/Y	VO	2.5			
T600200	ADV AUTO SVR TECH 2 Advanced Automotive Service Technology 2	30, 31	/			AUTO MECH	@7 7 G	AUTO IND @7 %7 %G
AERO118	ADV ENG RPR TECH Advanced Engine Repair Technician		/Y	VO	1.0			
AERO258	ADV AUTO TRANS TECH Advanced Automatic Transmission and Transaxle Technician		/Y	VO	1.0			
AERO275	ADV MAN DT/AX TECH Advanced Manual Drivetrain and Axle Technician		/Y	VO	1.0			
AERO459	ADV AUTO SUSP & STEE Advanced Automotive Suspension and Steering Technician		/Y	VO	1.0			
AERO419	ADV AUTO BRAKE SYS Advanced Automotive Brake System Technician		/Y	VO	1.0			
AERO173	ADV AUTO HEAT&AC TEC Advanced Automotive Heating and Air Conditioning Technician		/Y	VO	1.0			
AERO506	ADV AUTO ENGN PERF T Advanced Automotive Engine Performance Technician		/Y	VO	2.5			
I470604	ADV AUTO TECH Advanced Automotive Technology	30, 31	/			AUTO MECH	@7 7 G	AUTO IND @7 %7 %G
AERO011	AUTO MAINT TECH Automotive Maintenance Technician		/Y	VO	2.5			
AERO118	ADV ENG RPR TECH Advanced Engine Repair Technician		/Y	VO	1.0			
AERO258	ADV AUTO TRANS TECH Advanced Automatic Transmission and Transaxle Technician		/Y	VO	1.0			
AERO275	ADV MAN DT/AX TECH Advanced Manual Drivetrain and Axle Technician		/Y	VO	1.0			
AERO459	ADV AUTO SUSP & STEE Advanced Automotive Suspension and Steering Technician		/Y	VO	1.0			
AERO419	ADV AUTO BRAKE SYS Advanced Automotive Brake System Technician		/Y	VO	1.0			
AERO319	ADV AUTO ELEC TECH Advanced Automotive Electrical / Electronic System Technician		/Y	VO	2.5			
AERO173	ADV AUTO HEAT&AC TEC Advanced Automotive Heating and Air Conditioning Technician		/Y	VO	1.0			

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			REQUIREMENTS	GRADUATION		
AERO506	ADV AUTO ENGN PERF T Advanced Automotive Engine Performance Technician	/Y	VO		2.5	
8715100	AIRCR AIRFRAME MECH Aircraft Airframe Mechanics	9-12, 30, 31 /			AIR MECH	@7 7 G
8715110	AVIATION MAINT GEN 1 Aviation Maintenance General 1/ Level 3	/Y	VO		1.0	
8715120	AVIATION MAINT GEN 2 Aviation Maintenance General 2/ Level 3	/Y	VO		1.0	
8715130	AVIATION MAINT GEN 3 Aviation Maintenance General 3/ Level 3	/Y	VO		1.0	
8715140	AVIATION MAINT GEN 4 Aviation Maintenance General 4/ Level 3	/Y	VO		1.0	
I470612	AIRCR AIRFRAME MECH Aircraft Airframe Mechanics	30, 31 /			AIR MECH	@7 7 G
AMT0700	AV GEN MAINT TECH HL Aviation General Maintenance Technician Helper	/Y	VO		4.0	
AMT0710	AV MAINT TECH FAA1 Aviation Maintenance Technician with FAA Airframe Rating 1	/Y	VO		3.0	
AMT0711	AV MAINT TECH FAA2 Aviation Maintenance Technician with FAA Airframe Rating 2	/Y	VO		3.0	
T400500	AIR COAT & CORROSION Aircraft Coating and Corrosion Control Technology	30, 31 /			AIR MECH	@7 7 G
AMT0125	AIR COAT SAFETY Aircraft Coating Safety, Inspection and Environmental Regulations	/Y	VO		0.5	
AMT0133	AIR SURFACE PREP TEC Aircraft Surface Prep Technician	/Y	VO		1.0	
AMT0126	AIR COATINGS TECH Aircraft Coatings Technician	/Y	VO		1.0	
AMT0940	AIR COAT TECH INTERN Aircraft Coatings Technician Internship	/Y	VO		0.5	
I470622	AIRCRAFT POWPL MECH Aircraft Powerplant Mechanics	30, 31 /			AIR MECH	@7 7 G
AMT0700	AV GEN MAINT TECH HL Aviation General Maintenance Technician Helper	/Y	VO		4.0	
AMT0720	AV MAINT TECH PPR 1 Aviation Maintenance Technician with FAA Power Plant Rating 1	/Y	VO		3.0	
AMT0721	AV MAINT TECH PPR 2 Aviation Maintenance Technician with FAA Power Plant Rating 2	/Y	VO		3.0	



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			REQUIREMENTS	GRADUATION		
8715200	AIRCR POWPL MECH Aircraft PowerPlant Mechanics	9- 12, 30, 31 /			AIR MECH	@7 7 G
8715110	AVIATION MAINT GEN 1 Aviation Maintenance General 1/Level 3	/Y	VO		1.0	
8715120	AVIATION MAINT GEN 2 Aviation Maintenance General 2/Level 3	/Y	VO		1.0	
8715130	AVIATION MAINT GEN 3 Aviation Maintenance General 3/Level 3	/Y	VO		1.0	
8715140	AVIATION MAINT GEN 4 Aviation Maintenance General 4/Level 3	/Y	VO		1.0	
8709000	AUTO COLL RPR & REF Automotive Collision Repair and Refinishing	9- 12, 30, 31 /			AUTO IND	@7 %7 %G AUTO BODY @7 7 G
8709010	AUTO COLL RPR & REF1 Automotive Collision Repair and Refinishing 1/Level 2	/Y	VO		1.0	
8709020	AUTO COLL RPR & REF2 Automotive Collision Repair and Refinishing 2/Level 2	/Y	VO		1.0	
8709030	AUTO COLL RPR & REF3 Automotive Collision Repair and Refinishing 3/Level 2	/Y	VO		1.0	
8709040	AUTO COLL RPR & REF4 Automotive Collision Repair and Refinishing 4/Level 2	/Y	VO		1.0	
8709050	AUTO COLL RPR & REF5 Automotive Collision Repair and Refinishing 5/Level 2	/Y	VO		1.0	
8709060	AUTO COLL RPR & REF6 Automotive Collision Repair and Refinishing 6/Level 2	/Y	VO		1.0	
8709070	AUTO COLL RPR & REF7 Automotive Collision Repair and Refinishing 7/Level 2	/Y	VO		1.0	
8709080	AUTO COLL RPR & REF8 Automotive Collision Repair and Refinishing 8/Level 2	/Y	VO		1.0	
8709090	AUTO COLL RPR & REF9 Automotive Collision Repair and Refinishing 9/Level 2	/Y	VO		1.0	
I470603	AUTO COLL RPR & REF Automotive Collision Repair and Refinishing	30, 31 /			AUTO IND	@7 %7 %G AUTO BODY @7 7 G
ARRO210	PAINT & BODY HELPER Paint and Body Helper	/Y	VO		2.0	
ARRO213	PAINT & BODY ASST Paint and Body Assistant	/Y	VO		2.0	
ARRO020	AUTO COLL EST Auto Collision Estimator	/S	VO		0.5	
ARRO313	FRAME & BODY RPR Frame and Body Repairman	/Y	VO		1.0	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION		
			REQUIREMENTS	GRADUATION				
ARRO127	AUTO REFINISHING Automotive Refinishing	/Y	VO		2.0			
ARRO240	AUTO BODY REPAIRER Automobile Body Repairer	/Y	VO		2.0			
T400100	AUTO COLL RPR & REF1 Automotive Collision Repair and Refinishing 1	30, 31	/			AUTO IND	@7 %7 %G	AUTO BODY @7 7 G
ARRO210	PAINT & BODY HELPER Paint and Body Helper	/Y	VO		2.0			
ARRO213	PAINT & BODY ASST Paint and Body Assistant	/Y	VO		2.0			
ARRO020	AUTO COLL EST Auto Collision Estimator	/S	VO		0.5			
ARRO313	FRAME & BODY RPR Frame and Body Repairman	/Y	VO		1.0			
T400200	AUTO COLL RPR & REF2 Automotive Collision Repair and Refinishing 2	30, 31	/			AUTO IND	@7 %7 %G	AUTO BODY @7 7 G
ARRO127	AUTO REFINISHING Automotive Refinishing	/Y	VO		2.0			
ARRO240	AUTO BODY REPAIRER Automobile Body Repairer	/Y	VO		2.0			
8710000	AUTO DETAIL RECD Automotive Detailing and Reconditioning	9- 12, 30, 31	/			AUTO BODY AUTO IND	@7 7 G @7 %7 %G	AUTO MECH @7 7 G
8710010	AUTO DETAILING 1 Automotive Detailing 1/Level 2	/Y	VO		1.0			
8710020	AUTO DETAILING 2 Automotive Detailing 2/Level 2	/Y	VO		1.0			
8710030	AUTO DETAILING 3 Automotive Detailing 3/Level 2	/Y	VO		1.0			
I470623	AUTO DETAIL RECD Automotive Detailing and Reconditioning	30, 31	/			AUTO BODY AUTO IND	@7 7 G @7 %7 %G	AUTO MECH @7 7 G
ARRO610	BASIC PREP, AUTO Basic Prep, Automotive	/Y	VO		1.0			
ARRO611	RECOND DETAILER Reconditioning Detailer	/Y	VO		1.0			
ARRO612	AUTO DETAILER Automobile Detailer	/Y	VO		1.0			
9504100	AUTO MAINT/LT REPAIR Automotive Maintenance and Light Repair	9- 12, 30, 31	/			AUTO IND	@7 %7 %G	AUTO MECH @7 7 G
9504110	AUTO MAINT/LT RPR 1 Automotive Maintenance and Light Repair 1/Level 2	/Y	VO		1.0			
9504120	AUTO MAINT/LT RPR 2 Automotive Maintenance and Light Repair 2/Level 2	/Y	VO		1.0			
9504130	AUTO MAINT/LT RPR 3 Automotive Maintenance and Light Repair 3/Level 2	/Y	VO		1.0			

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
9504140	AUTO MAINT/LT RPR 4 Automotive Maintenance and Light Repair 4/Level 2	/Y	VO	1.0		
9504150	AUTO MAINT/LT RPR 5 Automotive Maintenance and Light Repair 5/Level 2	/Y	VO	1.0		
9504160	AUTO MAINT/LT RPR 6 Automotive Maintenance and Light Repair 6/Level 2	/Y	VO	1.0		
T400900	AUTO SERVICE ADV/CON Automotive Service Advisor and Consultant	30, 31	/		AUTO MECH @7 7 G MKTG 1 @2 RETAILING @7 7 G	CUST SERV 7 G MKTG MGMT @7 7 G
AER0075	INTRO AUTO SERV ADV Introduction to Automotive Service Advisor	/Y	VO	0.5		
AER0076	INTRO AUTO CUST SERV Introduction to Automotive Customer Service	/Y	VO	0.5		
AER0077	DEALER POLICIES/PROC Dealership Policies and Procedures	/Y	VO	0.5		
AER0945	DEALERSHIP INTERN Dealership Internship	/Y	VO	1.0		
<sup>a</sup> 8709400	<sup>a</sup> AUTO SERV TECH Automotive Service Technology	9- 12, 30, 31	/		AUTO MECH @7 7 G	AUTO IND @7 %7 %G
<sup>a</sup> 8709410	AUTO SER TECH 1 Automotive Service Technology 1/Level 2	/Y	VO	1.0		
<sup>a</sup> 8709420	AUTO SER TECH 2 Automotive Service Technology 2/Level 2	/Y	VO	1.0		
<sup>a</sup> 8709430	AUTO SER TECH 3 Automotive Service Technology 3/Level 2	/Y	VO	1.0		
<sup>a</sup> 8709440	AUTO SER TECH 4 Automotive Service Technology 4/Level 2	/Y	VO	1.0		
<sup>a</sup> 8709450	AUTO SER TECH 5 Automotive Service Technology 5/Level 2	/Y	VO	1.0		
<sup>a</sup> 8709460	AUTO SER TECH 6 Automotive Service Technology 6/Level 2	/Y	VO	1.0		
<sup>a</sup> 8709470	AUTO SER TECH 7 Automotive Service Technology 7/Level 3	/Y	VO	1.0		
<sup>a</sup> 8709480	AUTO SER TECH 8 Automotive Service Technology 8/Level 3	/Y	VO	1.0		
<sup>a</sup> 8709490	AUTO SER TECH 9 Automotive Service Technology 9/Level 3	/Y	VO	1.0		
<sup>a</sup> 8709491	AUTO SER TECH 10 Automotive Service Technology 10/Level 3	/Y	VO	1.0		
<sup>a</sup> 8709492	AUTO SER TECH 11 Automotive Service Technology 11/Level 3	/Y	VO	1.0		
<sup>a</sup> 8709493	AUTO SER TECH 12 Automotive Service Technology 12/Level 3	/Y	VO	1.0		
I470608	AUTO SERV TECH Automotive Service Technology	30, 31	/		AUTO MECH @7 7 G	AUTO IND @7 %7 %G
AER0014	AUTO SERVICES ASST Automobile Services Assistor	/Y	VO	2.0		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
AERO110	ENGINE REPAIR TECH Engine Repair Technician	/Y	VO		1.0	
AERO257	AUTO TRANS&AXLE TECH Automatic Transmission and Transaxle Technician	/Y	VO		1.0	
AERO274	MAN DRIVETRAIN/AXLE Manual Drivetrain and Axle Technician	/Y	VO		1.0	
AERO453	AUTO SUSP & STEER TE Automobile Suspension and Steering Technician	/Y	VO		1.0	
AERO418	AUTO BRAKE SYS TECH Automotive Brake System Technician	/Y	VO		1.0	
AERO360	AUTO ELEC/ELECT TECH Automotive Electrical/Electronic System Technician	/Y	VO		2.0	
AERO172	AUTO HEAT&AC TECH Automotive Heating and Air Conditioning Technician	/Y	VO		1.0	
AERO503	AUTO ENGN PERF TECH Automotive Engine Performance Technician	/Y	VO		2.0	
T400700	AUTO SERV TECH 1 Automotive Service Technology 1	30, 31	/			AUTO MECH @7 7 G AUTO IND @7 %7 %G
AERO014	AUTO SERVICES ASST Automobile Services Assistor	/Y	VO		2.0	
AERO418	AUTO BRAKE SYS TECH Automotive Brake System Technician	/Y	VO		1.0	
AERO453	AUTO SUSP & STEER TE Automobile Suspension and Steering Technician	/Y	VO		1.0	
AERO360	AUTO ELEC/ELECT TECH Automotive Electrical/Electronic System Technician	/Y	VO		2.0	
AERO110	ENGINE REPAIR TECH Engine Repair Technician	/Y	VO		1.0	
T400800	AUTO SERV TECH 2 Automotive Service Technology 2	30, 31	/			AUTO MECH @7 7 G AUTO IND @7 %7 %G
AERO503	AUTO ENGN PERF TECH Automotive Engine Performance Technician	/Y	VO		2.0	
AERO257	AUTO TRANS&AXLE TECH Automatic Transmission and Transaxle Technician	/Y	VO		1.0	
AERO274	MAN DRIVETRAIN/AXLE Manual Drivetrain and Axle Technician	/Y	VO		1.0	
AERO172	AUTO HEAT&AC TECH Automotive Heating and Air Conditioning Technician	/Y	VO		1.0	
I470199	AVIONICS Avionics	30, 31	/			ELECTRONIC @7 7 G AVIONICS @7 7 G
EEV0010	ELECTRONICS ASMBR Electronics Assembler	/Y	VO		2.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
EEV0100	ELECTRONICS TESTER Electronics Tester	/Y	VO		3.0	
EEV0500	ELECT EQUIP RPR Electronics Equipment Repairer	/Y	VO		2.5	
EEV0616	ELECTRONICS TECH Electronics Technician	/Y	VO		3.0	
AVS0090	AVIONICS TEC PUB TEC Avionics Technical Publications Technician	/Y	VO		1.0	
AVS0091	AVIONICS INSTALLER Avionics Installer	/Y	VO		1.0	
AVS0092	AV COMM SYS TECH Avionics Communication System Technician	/Y	VO		1.0	
AVS0093	AVIONICS TECH Avionics Technician	/Y	VO		1.0	
9540300	AVIONICS TECHNOLOGY Avionics Technology	9- 12, 30, 31 /			AVIONICS @7 7 G	ELECTRONIC @7 7 G
9540310	ELECTRONICS FUND 1 Electronics Fundamentals 1/Level 2	/Y	VO		1.0	
9540320	ELECTRONICS FUND 2 Electronics Fundamentals 2/Level 2	/Y	VO		1.0	
9540330	COMM SYSTEMS TECH Communications Systems Technician/ Level 2	/Y	VO		1.0	
9540340	ELECT NAV & UAS TECH Electronic Navigation and Unmanned Aircraft Systems Technician/Level 2	/Y	VO		1.0	
T400300	AVIONICS TECHNOLOGY Avionics Technology	30, 31 /			AVIONICS @7 7 G	ELECTRONIC @7 7 G
AVS0095	BASIC ELECT TROUBLE Basic Electronics Troubleshooter	/Y	VO		1.0	
AVS0096	ADV ELECT TROUBLE Advanced Electronics Troubleshooter	/Y	VO		1.0	
AVS0097	AVIONICS INSTALL TEC Avionics Installation Technician	/Y	VO		1.0	
AVS0098	AVIONICS TECHNICIAN Avionics Technician	/Y	VO		1.0	
T640100	AVIONICS 1 Avionics 1	30, 31 /			ELECTRONIC @7 7 G	AVIONICS @7 7 G
EEV0010	ELECTRONICS ASMBR Electronics Assembler	/Y	VO		2.0	
EEV0100	ELECTRONICS TESTER Electronics Tester	/Y	VO		3.0	
EEV0500	ELECT EQUIP RPR Electronics Equipment Repairer	/Y	VO		2.5	
EEV0616	ELECTRONICS TECH Electronics Technician	/Y	VO		3.0	
T640200	AVIONICS 2 Avionics 2	30, 31 /			ELECTRONIC @7 7 G	AVIONICS @7 7 G

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PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
AVS0090	AVIONICS TEC PUB TEC Avionics Technical Publications Technician	/Y	VO		1.0	
AVS0091	AVIONICS INSTALLER Avionics Installer	/Y	VO		1.0	
AVS0092	AV COMM SYS TECH Avionics Communication System Technician	/Y	VO		1.0	
AVS0093	AVIONICS TECH Avionics Technician	/Y	VO		1.0	
<sup>a</sup> 8766000	<sup>a</sup> GAS ENGN SERV TECH Gasoline Engine Service Technology	9- 12, 30, 31 /				GASENG RPR @7 7 G
<sup>a</sup> 8766010	GAS ENGN SER 1 Gasoline Engine Service 1/Level 2	/Y	VO		1.0	
<sup>a</sup> 8766020	GAS ENGN SER 2 Gasoline Engine Service 2/Level 2	/Y	VO		1.0	
<sup>a</sup> 8766030	GAS ENGN SER 3 Gasoline Engine Service 3/Level 2	/Y	VO		1.0	
<sup>a</sup> 8766040	GAS ENGN SER 4 Gasoline Engine Service 4/Level 2	/Y	VO		1.0	
<sup>a</sup> 8766050	GAS ENGN SER 5 Gasoline Engine Service 5/Level 2	/Y	VO		1.0	
<sup>a</sup> 8766060	GAS ENGN SER 6 Gasoline Engine Service 6/Level 2	/Y	VO		1.0	
<sup>a</sup> 8766070	GAS ENGN SER 7 Gasoline Engine Service 7/Level 2	/Y	VO		1.0	
<sup>a</sup> 8766080	GAS ENGN SER 8 Gasoline Engine Service 8/Level 2	/Y	VO		1.0	
<sup>a</sup> I470606	<sup>a</sup> GAS ENGN SERV TECH Gasoline Engine Service Technology	30, 31 /				GASENG RPR @7 7 G
<sup>a</sup> SER0001	SERVICE TECHNICIAN Service Technician	/Y	VO		1.0	
<sup>a</sup> SER0700	CLERK PARTS Clerk Parts	/Y	VO		0.5	
<sup>a</sup> SER0171	INSTALLER REPAIRER Installer Repairer	/Y	VO		1.0	
<sup>a</sup> SER0341	HLP, MECH & REPAIRER Helper, Mechanic and Repairer	/Y	VO		1.0	
<sup>a</sup> SER0161	SM ENGINE MECH 1 Small Engine Mechanic 1	/Y	VO		2.0	
<sup>a</sup> SER0162	SM ENGINE MECH 2 Small Engine Mechanic 2	/Y	VO		2.0	
9503100	GLOB LOG & SUP CH TE Global Logistics and Supply Chain Technology	9- 12, 30, 31 /				LOG TECH 7 G BUS ED 1
9503110	GLOB LOG & SUP CH TE Global Logistics and Supply Chain Technology/Level 2	/Y	VO		1.0	
9503120	INTRO TO IT APPS Introduction to Information Technology Applications/Level 2	/Y	VO		1.0	

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PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION			
8207310	<sup>a</sup> INTROD TO INFO TECH <sup>@</sup> DIG INFO TECH <sup>a</sup> Introduction to Information Technology /Level 2 <sup>@</sup> Digital Information Technology/ Level 2	/Y	PA	1.0				
9503130	GLOBAL LOG OPS Global Logistics Operations/Level 3	/Y	VO	1.0				
9503140	GLOBAL LOG MGMT Global Logistics Management/Level 3	/Y	VO	1.0				
T300100	GLOB LOG & SUP CH TE Global Logistics and Supply Chain Technology	30, 31	/		LOG TECH	7 G	BUS ED	1
TRA0180	PACKER Packer	/Y	VO	1.0				
TRA0181	MATERIAL HANDLER Material Handler	/Y	VO	1.0				
OTA0040	INFO TECH ASST Information Technology Assistant	/Y	PA	1.0				
TRA0182	SHIP, REC, TRF CLERK Shipping, Receiving and Traffic Clerk	/Y	VO	1.0				
TRA0183	LOGISTICS TECH Logistics Technician	/Y	VO	1.0				
<sup>a</sup> I470302	<sup>a</sup> HVY EQUIPMENT MECH Heavy Equipment Mechanics	30, 31	/		DI ESEL MEC	@7 7 G		
DIM0101	DSL ENGN MEC/TEC HLP Diesel Engine Mechanic/Technician Helper	/Y	VO	1.0				
DIM0102	DSL ELEC & ELECT TEC Diesel Electrical and Electronics Technician	/Y	VO	2.0				
DIM0103	DSL ENG PREV MAINT Diesel Engine Preventative Maintenance Technician	/Y	VO	1.0				
DIM0104	DI ESEL ENGINE TECH Diesel Engine Technician	/Y	VO	2.0				
DIM0105	DI ESEL BRAKES TECH Diesel Brakes Technician	/Y	VO	2.0				
DIM0106	DSL HEAT & AC TECH Diesel Heating and Air Conditioning Technician	/Y	VO	1.0				
DIM0107	DSL STEER & SUSP TEC Diesel Steering and Suspension Technician	/Y	VO	1.0				
DIM0108	DSL DRIVETRAIN TECH Diesel Drivetrain Technician	/Y	VO	1.0				
DIM0110	DI ESEL POWER TR TECH Diesel Power Train Technician	/Y	VO	1.0				
I490202	HVY EQUIPMENT OPERAT Heavy Equipment Operation	30, 31	/		OPER ENGR	@7 7 G		
TRA0070	HVY EQUIP MAINT TECH Heavy Equipment Maintenance Technician	/Y	VO	1.0				

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
TRA0086	TRACTOR OPERATOR Tractor Operator	/Y	VO		1.0	
TRA0087	OFFRD EQUIP OP 1 Offroad Equipment Operator 1	/Y	VO		2.0	
TRA0088	OFFRD EQUIP OP 2 Offroad Equipment Operator 2	/Y	VO		2.0	
TRA0049	CRANE OPERATOR Crane Operator	/Y	VO		2.0	
♠T400210	MARINE SERVICE TECH Marine Service Technologies	30, 31	/			DIESEL MEC @7 7 G GASENG RPR @7 7 G
MTE0003	MARINE RIGGER Marine Rigger	/Y	VO		2.0	
MTE0090	OUTBOARD ENG TECH Outboard Engine Technician	/Y	VO		2.0	
MTE0074	OUTBOARD ENG DIAG Outboard Engine Diagnostics Technician	/Y	VO		1.0	
MTE0092	INBOARD GAS ENG TECH Inboard Gas Engine Technician	/Y	VO		2.0	
MTE0093	DRIVE TRAIN TECH Drive Train Technician	/Y	VO		1.0	
MTE0056	INBOARD DIESEL TECH Inboard Diesel Technician	/Y	VO		1.0	
♠8751000	♠MARI SERV TECH Marine Service Technology	9- 12, 30, 31	/			DIESEL MEC @7 7 G GASENG RPR @7 7 G
♠8751010	MARINE SERVICE 1 Marine Service 1/Level 2	/Y	VO		1.0	
♠8751020	MARINE SERVICE 2 Marine Service 2/Level 2	/Y	VO		1.0	
♠8751030	MARINE SERVICE 3 Marine Service 3/Level 2	/Y	VO		1.0	
♠8751040	MARINE SERVICE 4 Marine Service 4/Level 2	/Y	VO		1.0	
♠8751050	MARINE SERVICE 5 Marine Service 5/Level 2	/Y	VO		1.0	
♠8751060	MARINE SERVICE 6 Marine Service 6/Level 2	/Y	VO		1.0	
♠8751070	MARINE SERVICE 7 Marine Service 7/Level 2	/Y	VO		1.0	
♠8751080	MARINE SERVICE 8 Marine Service 8/Level 2	/Y	VO		1.0	
♠8751090	MARINE SERVICE 9 Marine Service 9/Level 2	/Y	VO		1.0	
♠I490306	♠MARINE SERVICE TECH Marine Service Technology	30, 31	/			DIESEL MEC @7 7 G GASENG RPR @7 7 G
MTE0003	MARINE RIGGER Marine Rigger	/Y	VO		2.0	
♠MTE0050	OUTBOARD ENGN TECH 1 Outboard Engine Technician 1	/Y	VO		2.0	
♠MTE0070	OUTBOARD ENGN TECH 2 Outboard Engine Technician 2	/Y	VO		2.0	



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			GRADUATION REQUIREMENTS			
<sup>a</sup> MTE0183	STERN DRIVE TECH Stern Drive Technician	/Y	VO		1.0	
<sup>a</sup> MTE0054	INBOARD GAS TECH Inboard Gas Technician	/Y	VO		1.0	
MTE0056	INBOARD DIESEL TECH Inboard Diesel Technician	/Y	VO		1.0	
<sup>a</sup> T500100	<sup>a</sup> MARINE SER TECH 1 Marine Service Technology 1	30, 31	/			DIESEL MEC @7 7 G      GASENG RPR @7 7 G
MTE0003	MARINE RIGGER Marine Rigger	/Y	VO		2.0	
<sup>a</sup> MTE0050	OUTBOARD ENGN TECH 1 Outboard Engine Technician 1	/Y	VO		2.0	
<sup>a</sup> T500200	<sup>a</sup> MARINE SER TECH 2 Marine Service Technology 2	30, 31	/			DIESEL MEC @7 7 G      GASENG RPR @7 7 G
<sup>a</sup> MTE0070	OUTBOARD ENGN TECH 2 Outboard Engine Technician 2	/Y	VO		2.0	
<sup>a</sup> MTE0183	STERN DRIVE TECH Stern Drive Technician	/Y	VO		1.0	
<sup>a</sup> MTE0054	INBOARD GAS TECH Inboard Gas Technician	/Y	VO		1.0	
MTE0056	INBOARD DIESEL TECH Inboard Diesel Technician	/Y	VO		1.0	
8742000	MED & HVY TRK&BUS TE Medium and Heavy Duty Truck and Bus Technician	9- 12, 30, 31	/			DIESEL MEC @7 7 G
8742010	DIESEL ENGN SER 1 Diesel Engine Service 1/Level 2	/Y	VO		1.0	
8742020	DIESEL ENGN SER 2 Diesel Engine Service 2/Level 2	/Y	VO		1.0	
8742030	DIESEL ENGN SER 3 Diesel Engine Service 3/Level 2	/Y	VO		1.0	
8742040	DIESEL ENGN SER 4 Diesel Engine Service 4/Level 2	/Y	VO		1.0	
8742050	DIESEL ENGN SER 5 Diesel Engine Service 5/Level 2	/Y	VO		1.0	
8742060	DIESEL ENGN SER 6 Diesel Engine Service 6/Level 2	/Y	VO		1.0	
8742070	DIESEL ENGN SER 7 Diesel Engine Service 7/Level 2	/Y	VO		1.0	
8742080	DIESEL ENGN SER 8 Diesel Engine Service 8/Level 2	/Y	VO		1.0	
8742090	DIESEL ENGN SER 9 Diesel Engine Service 9/Level 2	/Y	VO		1.0	
8742091	DIESEL ENGN SER 10 Diesel Engine Service 10/Level 2	/Y	VO		1.0	
8742092	DIESEL ENGN SER 11 Diesel Engine Service 11/Level 2	/Y	VO		1.0	
8742093	DIESEL ENGN SER 12 Diesel Engine Service 12/Level 2	/Y	VO		1.0	
I470605	MED & HVY TRK&BUS TE Medium and Heavy Duty Truck and Bus Technician	30, 31	/			DIESEL MEC @7 7 G

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
DIM0101	DSL ENGN MEC/TEC HLP Di esel Engi ne Mechani c/Techni ci an Hel per	/Y	VO		1.0	
DIM0102	DSL ELEC & ELECT TEC Di esel Electrical and Electronics Techni ci an	/Y	VO		2.0	
DIM0103	DSL ENG PREV MAINT Di esel Engi ne Preventati ve Maintenance Techni ci an	/Y	VO		1.0	
DIM0104	DI ESEL ENGINE TECH Di esel Engi ne Techni ci an	/Y	VO		2.0	
DIM0105	DI ESEL BRAKES TECH Di esel Brakes Techni ci an	/Y	VO		2.0	
DIM0106	DSL HEAT & AC TECH Di esel Heating and Air Condi ti oning Techni ci an	/Y	VO		1.0	
DIM0107	DSL STEER & SUSP TEC Di esel Steering and Suspensi on Techni ci an	/Y	VO		1.0	
DIM0108	DSL DRIVETRAIN TECH Di esel Drivetrain Techni ci an	/Y	VO		1.0	
DIM0109	DI ESEL HYDRA TECH Di esel Hydraul ics Techni ci an	/Y	VO		1.0	
T650100	MED & HVY TRK&BUS 1 Medi um and Heavy Duty Truck and Bus Techni ci an 1	30, 31	/			DI ESEL MEC @7 7 G
DIM0101	DSL ENGN MEC/TEC HLP Di esel Engi ne Mechani c/Techni ci an Hel per	/Y	VO		1.0	
DIM0102	DSL ELEC & ELECT TEC Di esel Electrical and Electronics Techni ci an	/Y	VO		2.0	
DIM0104	DI ESEL ENGINE TECH Di esel Engi ne Techni ci an	/Y	VO		2.0	
DIM0105	DI ESEL BRAKES TECH Di esel Brakes Techni ci an	/Y	VO		2.0	
T650200	MED & HVY TRK&BUS 2 Medi um and Heavy Duty Truck and Bus Techni ci an 2	30, 31	/			DI ESEL MEC @7 7 G
DIM0103	DSL ENG PREV MAINT Di esel Engi ne Preventati ve Maintenance Techni ci an	/Y	VO		1.0	
DIM0106	DSL HEAT & AC TECH Di esel Heating and Air Condi ti oning Techni ci an	/Y	VO		1.0	
DIM0107	DSL STEER & SUSP TEC Di esel Steering and Suspensi on Techni ci an	/Y	VO		1.0	
DIM0108	DSL DRIVETRAIN TECH Di esel Drivetrain Techni ci an	/Y	VO		1.0	
DIM0109	DI ESEL HYDRA TECH Di esel Hydraul ics Techni ci an	/Y	VO		1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
9540400	MOBILE ELECT TECH Mobile Electronics Technology	9- 12, 30, 31 /			COMP SVC 7 G AUTO MECH @7 7 G	ELECTRONIC @7 7 G
9540410	MOBILE ELECT TECH 1 Mobile Electronics Technology 1/ Level 2	/Y	VO	1.0		
9540420	MOBILE ELECT TECH 2 Mobile Electronics Technology 2/ Level 2	/Y	VO	1.0		
T400400	MOBILE ELECT TECH Mobile Electronics Technology	30, 31 /			COMP SVC 7 G AUTO MECH @7 7 G	ELECTRONIC @7 7 G
<sup>a</sup> EEOV714	BASIC MOBILE ELECT Basic Mobile Electronics Techni ci an	/Y	VO	1.0		
<sup>a</sup> EEOV715	ADV MOB ELECT INSTAL Advanced Mobile Electronics Installation Techni ci an	/Y	VO	1.0		
8766100	MOTORCYCLE SERV TECH Motorcycle Service Technology	9- 12, 30, 31 /			MOTORCYCLE @7 7 G	
8766110	MOTORCYCLE SERV 1 Motorcycle Service 1/Level 2	/Y	VO	1.0		
8766120	MOTORCYCLE SERV 2 Motorcycle Service 2/Level 2	/Y	VO	1.0		
8766130	MOTORCYCLE SERV 3 Motorcycle Service 3/Level 2	/Y	VO	1.0		
8766140	MOTORCYCLE SERV 4 Motorcycle Service 4/Level 2	/Y	VO	1.0		
8766150	MOTORCYCLE SERV 5 Motorcycle Service 5/Level 2	/Y	VO	1.0		
8766160	MOTORCYCLE SERV 6 Motorcycle Service 6/Level 2	/Y	VO	1.0		
8766170	MOTORCYCLE SERV 7 Motorcycle Service 7/Level 2	/Y	VO	1.0		
8766180	MOTORCYCLE SERV 8 Motorcycle Service 8/Level 2	/Y	VO	1.0		
8766190	MOTORCYCLE SERV 9 Motorcycle Service 9/Level 2	/Y	VO	1.0		
8766200	MOTORCYCLE SERV 10 Motorcycle Service 10/Level 2	/Y	VO	1.0		
I470616	MOTORCYCLE SERV TECH Motorcycle Service Technology	30, 31 /			MOTORCYCLE @7 7 G	
MOM0001	ASSEMBLER (SETUP) Assembler (Setup)	/Y	0	1.0		
MOM0002	PARTS CLERK Parts Clerk	/Y	VO	1.0		
MOM0100	HELPER, MECHANIC Hel per, Mechanic	/Y	VO	3.0		
MOM0400	MOTORCYLCE MECH Motorcycle Mechanic	/Y	VO	5.0		
<sup>a</sup> 9504200	OUTBOARD MARINE SER Outboard Marine Service Technology	9- 12, 30, 31 /			DIESEL MEC @7 7 G	GASENG RPR @7 7 G
9504210	OUTBOARD MARINE 1 Outboard Marine Service 1/Level 2	/Y	PA	1.0		

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
9504220	OUTBOARD MARINE 2 Outboard Marine Service 2/Level 2		/Y	PA	1.0	
9504230	OUTBOARD MARINE 3 Outboard Marine Service 3/Level 2		/Y	PA	1.0	
9504240	OUTBOARD MARINE 4 Outboard Marine Service 4/Level 2		/Y	PA	1.0	
9504250	ADV MARINE TECH 1 Advanced Marine Technology 1/Level 2		/Y	PA	1.0	
9504260	ADV MARINE TECH 2 Advanced Marine Technology 2/Level 2		/Y	PA	1.0	
9504270	OUTBOARD MARINE CAP Outboard Marine Service Capstone/Le Level 2		/Y	PA	1.0	
▣T410300	POWER EQUIP TECH Power Equipment Technologies	30, 31	/			GASENG RPR @7 7 G
SER0080	POWER EQUIP SRV TEC1 Power Service Equipment Technician 1		/Y	VO	2.0	
SER0081	POWER EQUIP SRV TEC2 Power Service Equipment Technician 2		/Y	VO	2.0	
SER0082	POWER EQUIP SRV TEC3 Power Service Equipment Technician 3		/Y	VO	2.0	
▣9504500	POWER EQUIP TECH Power Equipment Technology	9- 12, 30, 31	/			GASENG RPR @7 7 G
9504510	POWER & EQUIP TECH 1 Power and Equipment Technology 1/ Level 2		/Y	PA	1.0	
9504520	POWER & EQUIP TECH 2 Power and Equipment Technology 2/ Level 2		/Y	PA	1.0	
9504530	POWER & EQUIP TECH 3 Power and Equipment Technology 3/ Level 2		/Y	PA	1.0	
9504540	POWER & EQUIP TECH 4 Power and Equipment Technology 4/ Level 2		/Y	PA	1.0	
9504550	POWER & EQUIP TECH 5 Power and Equipment Technology 5/ Level 2		/Y	PA	1.0	
9504560	POWER & EQUIP TECH 6 Power and Equipment Technology 6/ Level 2		/Y	PA	1.0	
T660100	TRANSIT TECHNICIAN 1 Transit Technician 1	30, 31	/			DIESEL MEC @7 7 G
DIM0810	TRANSIT EQUIP PREV Transit Equipment Preventative Main Maintenance Technician		/Y	VO	1.5	
DIM0811	TRANSIT BASIC ELEC Transit Basic Electrical Systems Technician		/Y	VO	1.0	
DIM0812	TRANSIT WHEELCHAIR Transit Wheelchair Lift/Ramp Technician		/S	VO	0.5	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			REQUIREMENTS	GRADUATION		
DIM0813	TRANSIT DSL ENG PREV Transit Diesel Engine Preventative Maintenance Technician	/Y	VO		1.0	
DIM0814	TRANSIT STEER & SUSP Transit Steering and Suspension Technician	/Y	VO		1.0	
T660200	TRANSIT TECHNICIAN 2 Transit Technician 2	30, 31	/			DIESEL MEC @7 7 G
DIM0820	TRANSIT HYDRAULICS Transit Hydraulics Technician	/S	VO		0.5	
DIM0821	TRANSIT DIESEL ELEC Transit Diesel Electrical and Diesel Engine Electronics Technician	/Y	VO		1.0	
DIM0822	TRANSIT DRIVETRAIN Transit Drivetrain Technician	/Y	VO		1.0	
DIM0823	TRANSIT INTM ELEC Transit Intermediate Electrical Systems Technician	/Y	VO		1.0	
DIM0824	TRANSIT BRAKES/AIR Transit Brakes/Air System Technician	/Y	VO		1.5	
T660300	TRANSIT TECHNICIAN 3 Transit Technician 3	30, 31	/			DIESEL MEC @7 7 G
DIM0830	TRANSIT ALT FUELS Transit Alternative Fuels System Technician	/Y	VO		1.0	
DIM0831	TRANSIT ADV ELEC SYS Transit Advanced Electrical Systems Technician	/Y	VO		1.0	
DIM0832	TRANSIT HEAT & AIR Transit Heating and Air-Conditioning Technician	/Y	VO		1.0	
DIM0833	TRANS DIAG, REBUILD Transmission Diagnosis, Rebuild and Repair Technician	/Y	VO		1.0	
DIM0834	DSL ENG DIAG, REBLD Diesel Engine Diagnosis, Rebuild and Repair Technician	/Y	VO		1.0	
TRANS SYS/INFRASTRUCTURE PLAN, MGMT & REGS PATH (TRPE)						
I490251	CMCL CLASS B DRIVING Commercial Class B Driving	30, 31	/			COMM DRIV @7 7 G
TRA0084	TRUCK DRIV HVY FL"B" Truck Driver Heavy Florida Class "B"		/Y	VO	1.0	
8751200	COMM FISH Commercial Fishing	9- 12, 30, 31	/			COMM FISH 7 G
8751210	COMM FISH 1 Commercial Fishing 1/Level 2		/Y	VO	1.0	
8751220	COMM FISH 2 Commercial Fishing 2/Level 2		/Y	VO	1.0	

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION	
			GRADUATION REQUIREMENTS				
8751230	COMM FISH 3 Commercial Fishing 3/Level 2	/Y	VO		1.0		
8751240	COMM FISH 4 Commercial Fishing 4/Level 2	/Y	VO		1.0		
8751250	COMM FISH 5 Commercial Fishing 5/Level 2	/Y	VO		1.0		
<sup>a</sup> I490303	<sup>a</sup> COMMERCIAL FISHING Commercial Fishing	30, 31	/			COMM FISH	7 G
<sup>a</sup> MTE0880	OFF OR FISH VES CAP1 Officer or Fishing Vessel Captain 1	/Y	VO		2.5		
<sup>a</sup> MTE0881	OFF OR FISH VES CAP2 Officer or Fishing Vessel Captain 2	/Y	VO		2.5		
I490205	CMCL VEHICLE DRIVING Commercial Vehicle Driving	30, 31	/			COMM DRIV	@7 7 G
TRA0080	TRACTOR TRAIL TRK DR Tractor Trailer Truck Driver	/Y	VO		2.0		
<sup>a</sup> I490203	<sup>a</sup> WST CLC EQUIP OPER Solid Waste Collection Equipment Operator	30, 31	/			COMM DRIV	@7 7 G OPER ENGR @7 7 G
<sup>a</sup> TRA0071	SOLID WASTE COLL EQU Solid Waste Collection Equipment Operator	/Y	VO		1.0		

## SUPPLEMENTAL PROGRAMS

9590400	FUND OF TRANSPORT Fundamentals of Transportation	6-8	/S	VO		TEC ED 1 @2 DIESEL MEC @7 7 G AIR MECH @7 7 G LOG TECH 7 G	AUTO MECH @7 7 G GASENG RPR @7 7 G AEROSPACE 7 G TRANSPORT @4 @7 7 G
9590350	INTRO TO TRANSPORT Introduction to Transportation, Distribution and Logistics	6-8	/S	VO	MULTIPLE	TEC ED 1 @2 DIESEL MEC @7 7 G AIR MECH @7 7 G LOG TECH 7 G	AUTO MECH @7 7 G GASENG RPR @7 7 G AEROSPACE 7 G TRANSPORT @4 @7 7 G
9590360	INTRO TO TRANS & CP Introduction to Transportation, Distribution and Logistics and Career Planning	6-8	/S	VO	MULTIPLE	TEC ED 1 @2 DIESEL MEC @7 7 G AIR MECH @7 7 G LOG TECH 7 G	AUTO MECH @7 7 G GASENG RPR @7 7 G AEROSPACE 7 G TRANSPORT @4 @7 7 G
9500420	TRANSPORTATION OJT Transportation, Distribution and Logistics Cooperative Education OJT	9-12, 30, 31	/M	VO	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
T809999	TRANSPORTATION OJT Transportation, Distribution and Logistics Cooperative Education OJT	30, 31	/			SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	
9501000	TRANSPORT DIR ST Transportation, Distribution and Logistics Directed Study	1112, 30, 31	/M	VO	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC VOC COVERAGE	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
APPRENTICESHIP PROGRAMS					
I47060R	AUTO COLL RPR&REF-AP Automotive Collision Repair and Refinishing - Apprenticeship	30, 31 /			
I47061R	AUTO SERV TECH-APPR Automotive Service Technology-Apprenticeship	30, 31 /			
I47030R	HVY EQUIP MECH -APPR Heavy Equipment Mechanics - Apprenticeship	30, 31 /			
I49020R	HVY EQUIP OP-APPR Heavy Equipment Operation - Apprenticeship	30, 31 /			

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ADDITIONAL CAREER AND TECHNICAL EDUCATION PROGRAMS/COURSES

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D886700	C & T REL BAS SK Career and Technical Related Basic Skills	30, 31 /			SCIENCE @4 ENGLISH 1 @4 MG ENG C	PHYSICS 1 @4 MATH 1 @4 MG MATH C
D886200	COOP DIV ED-OJT Cooperative Diversified Education-OJT	30, 31 /			ANY VOCATIONAL FIELD OR COVERAGE COOR DCT @4 @7 COOP TEACH @7	MKTG 1 @2 COOR WK EX @7
8300420	COOP DIV ED-OJT Cooperative Diversified Education-OJT/Level 2	9- 12, 30, 31 /M	VO	MULTIPLE	ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER COOR DCT @4 @7 COOP TEACH @7	MKTG 1 @2 COOR WK EX @7
8303000	DIV CAR TECH Diversified Career Technology	9- 12, 30, 31 /			ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER COOR DCT @4 @7 COOP TEACH @7	MKTG 1 @2 COOR WK EX @7
8303010	DIV CAREER TECH PRIN Diversified Career Technology Principles/Level 2	/Y	VO	1.0		
8300410	DIV CAR TECH-OJT Diversified Career Technology OJT/Level 2	/M	VO	MULTIPLE		
8303020	DIV CAR TECH APPL Diversified Career Technology Applications/Level 2	/Y	VO	1.0		
8303030	DIV CAR TECH MGMT Diversified Career Technology Management/Level 2	/Y	VO	1.0		

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
<sup>a</sup> D886100	<sup>a</sup> DIV CAR TECH Diversified Career Technology	30, 31	/			COOR DCT @4 @7 COOP TEACH @7 MKTG 1 @2 COOR WK EX @7 ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
<sup>a</sup> AAE0400	DIV CAREER TECH Diversified Career Technology		/Y	VO	1.0	
<sup>a</sup> AAE0940	DIV CAREER TECH OJT Diversified Career Technology OJT		/Y	VO	1.0	
<sup>a</sup> AAE0401	DIV CAREER TECH APPS Diversified Career Technology Applications		/Y	VO	1.0	
<sup>a</sup> AAE0402	DIV CAREER TECH MGMT Diversified Career Technology Management		/Y	VO	1.0	
8300100	DIV ED DIR STUDY Diversified Education Directed Study /Level 2	11- 12, 30, 31/M		VO	MULTIPLE	ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
9100210	EX CAR&TECH OCCS Exploration of Career and Technical Occupations	6- 8	/S	VO		ANY VOCATIONAL FIELD OR COVERAGE COOR WK EX @7 ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
D886300	GUIDED WKPL LEARN Guided Workplace Learning (Internship)	30, 31	/			ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8300430	GUIDED WKPL LEARN Guided Workplace Learning (Internship) /Level 2	9- 12, 30, 31 /M		VO	MULTIPLE	ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
9100310	ORIEN CAR& TECH OCCS Orientation to Career and Technical Occupations	6- 8	/S	VO		ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
9100110	OR CAR&TEC OCCS & CP Orientation to Career and Technical Occupations and Career Planning	6- 8	/S	VO		ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8300320	PRACTICAL ARTS GEN Practical Arts General/Level 2	9- 12, 30, 31 /Y		VO	1.0	ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8301600	WORK EXP Work Experience	9- 12, 30, 31 /				COOR WK EX @7 ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8301610	WORK EXP 1 Work Experience 1/Level 2		/Y	VO	1.0	
8301620	WORK EXP 2 Work Experience 2/Level 2		/Y	VO	1.0	
8301630	WORK EXP 3 Work Experience 3/Level 2		/Y	VO	1.0	
8301640	WORK EXP 4 Work Experience 4/Level 2		/Y	VO	1.0	
8301650	WORK EXP-OJT Work Experience-OJT		/M	VO	MULTIPLE	
<sup>a</sup> D988650	<sup>a</sup> WKPL ESSENTIALS Workplace Essentials	30, 31	/	VO	0.5	ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8300310	WKPL ESSENTIALS Workplace Essentials/Level 2	9- 12, 30, 31 /S		VO	0.5	ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8300330	WKPL TECH APPL Workplace Technology Applications/ Level 2	9- 12, 30, 31 /S		VO	0.5	ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER



PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
INSTRUCTIONAL SUPPORT SERVICES (SPECIAL NEEDS)					
9001810	CAR ED STUS DISAB Career Education for Students With Disabilities	6- 12, 30, 31 /M	VO	MULTIPLE	ANY VOCATIONAL FIELD OR COVERAGE
S990002	CAR ED STUS DISAB Career Education for Students with Disabilities	30, 31 /			ANY VOCATIONAL FIELD OR COVERAGE
SLS0051	TRAIN RELATED OCCS 1 Training Related Occupations 1	/Y	VO	MULTIPLE	
SLS0052	TRAIN RELATED OCCS 2 Training Related Occupations 2	/Y	VO	MULTIPLE	
S990004	SUP COMPE EMP AD DIS Supported Competitive Employment for Adults W/Disabilities (Phase I)	30, 31 /			ANY FIELD
SLS0053	TRAIN RELATED OCCS I Training Related Occupations I	/Y	VO	MULTIPLE	
SLS0054	TRAIN RELATED OCC II Training Related Occupations II	/Y	VO	MULTIPLE	
S430123	VOC EMP SKILLS ADULT Vocational Employability Skills for Adults	30, 31 /			ANY VOCATIONAL FIELD OR COVERAGE
SLS0050	HELPER Helper	/Y	VO	MULTIPLE	
9001920	VOC/EMP SKLS/YOUTH Vocational Employability Skills for Youth	7- 12, 30, 31 /M	VO	0.5	ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
9001820	VOC/EMP SKLS/YOU &CP Vocational Employability Skills for Youth and Career Planning	7- 12, 30, 31 /M	VO	0.5	ANY VOCATIONAL FIELD OR COVERAGE ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER

## OTHER CAREER AND TECHNICAL EDUCATION PROGRAMS

E91010A	CWE - AG, FOOD & NR Continuing Workforce Education - Agriculture, Food & Natural Resources	30, 31 /M			
E91010C	CWE - ARCH & CONST Continuing Workforce Education - Architecture and Construction	30, 31 /M			
E91010K	CWE - ARTS & A/V Continuing Workforce Education - Arts, A/V Technology and Communication	30, 31 /M			
E91010B	CWE - BUS, MGMT & AD Continuing Workforce Education - Business, Management and Administration	30, 31 /M			
E91010E	CWE - ED & TRAINING Continuing Workforce Education - Education and Training	30, 31 /M			

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
E91010X	CWE - ENERGY Continuing Workforce Education - Energy	30, 31	/M		
E91010S	CWE - ENG & TECH Continuing Workforce Education - Engineering and Technology	30, 31	/M		
E91010F	CWE - FINANCE Continuing Workforce Education - Finance	30, 31	/M		
E91010G	CWE - GOV'T & P.A. Continuing Workforce Education - Government and Public Administration	30, 31	/M		
E91010H	CWE - HEALTH SCI Continuing Workforce Education - Health Science	30, 31	/M		
E91010N	CWE - HOSP & TOURISM Continuing Workforce Education - Hospitality and Tourism	30, 31	/M		
E91010D	CWE - HUMAN SERVICES Continuing Workforce Education - Human Services	30, 31	/M		
E91010Y	CWE - INFO TECH Continuing Workforce Education - Information Technology	30, 31	/M		
E91010L	CWE - LAW, PS & SER Continuing Workforce Education - w. Public Safety and Service	30, 31	/M		
E91010J	CWE - MANUFACTURING Continuing Workforce Education - Manufacturing	30, 31	/M		
E91010M	CWE - MKT, S & S Continuing Workforce Education - Marketing, Sales and Services	30, 31	/M		
E91010T	CWE - TRANSPORTATION Continuing Workforce Education- Transportation, Distribution & Logistic	30, 31	/M		
8000100	PRE-APPR Pre-Apprenticeship	9- 12, 30, 31	/	VO	ANY VOCATIONAL FIELD OR COVERAGE
8000110	PRE-APPR 1 Pre-Apprenticeship 1		/Y	VO	1.0
8000120	PRE-APPR 2 Pre-Apprenticeship 2		/Y	VO	1.0
8000130	PRE-APPR 3 Pre-Apprenticeship 3		/Y	VO	1.0
8000140	PRE-APPR 4 Pre-Apprenticeship 4		/Y	VO	1.0
8000150	PRE-APPR 5 Pre-Apprenticeship 5		/Y	VO	1.0
8000160	PRE-APPR 6 Pre-Apprenticeship 6		/Y	VO	1.0
E92010R	PRE-APPR - APPR Pre-Apprenticeship - Apprenticeship	30, 31	/		ANY VOCATIONAL FIELD OR COVERAGE

## CAREER AND TECHNICAL EDUCATION PROGRAMS &amp; COURSES BY CAREER CLUSTER

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
SLS0314	PRE- APPRENTICE I Pre-Apprenticeship I		/Y	VO	3.0	
SLS0315	PRE- APPRENTICE II Pre-Apprenticeship II		/Y	VO	3.0	
M899993	QUICK RESPONSE TRAIN Quick Response Training	30, 31	/			ANY VOCATIONAL FIELD OR COVERAGE
<sup>a</sup> 8002000	<sup>a</sup> TECH SYSS & APPL Technical Systems and Applications	9- 12, 30, 31	/Y	VO	1.0	ANY VOCATIONAL FIELD OR COVERAGE

## MIDDLE SCHOOL PROGRAMS

8000400	OR TO CAREER CLUST Orientation to Career Clusters	6- 8	/S	VO		ANY VOCATIONAL FIELD OR COVERAGE
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