

**Section 5: Career and Technical Education (CTE)**  
**Career Path, Program and Course Listings for 2021-2022**

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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.**

## 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			

## |AGRICULTURE, FOOD &amp; NATURAL RESOURCES CAREER PATH|

## FOOD PRODUCTS &amp; PROCESSING SYSTEMS CAREER PATH (AGPA)

8129200	FOOD SCIENCE APPS Food Science Applications	9-12	/			
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y	EQ	1.0	AGRICULTUR1 @2
8129210	FOOD SCIENCE APPS 2 Food Science Applications 2/Level 3	9-12	/Y	PA	1.0	AGRICULTUR1 @2
8129220	FOOD SCIENCE APPS 3 Food Science Applications 3/Level 3	9-12	/Y		1.0	AGRICULTUR1 @2

## PLANT SYSTEMS CAREER PATH (AGPB)

8012100	FLORAL DESIGN & MKT Floral Design and Marketing	9-12	/			
8012110	INTRO FLORAL DESIGN Introductory Floral Design/Level 2	9-12	/Y	PA	1.0	AGRICULTUR1 @2 MKTG 1 RETAILING@7 7 G
8012120	FLORAL DESIGN 2 Floral Design 2/Level 2	9-12	/Y	PA	1.0	AGRICULTUR1 @2 MKTG 1 RETAILING@7 7 G
8012130	FLORAL DSN & MKT 3 Floral Design and Marketing Services 3/Level 2	9-12	/Y	PA	1.0	AGRICULTUR1 @2 MKTG 1 RETAILING@7 7 G
8012140	FLORAL DSN & MGMT 4 Floral Design and Management 4/ Level 2	9-12	/Y	PA	1.0	AGRICULTUR1 @2 MKTG 1 RETAILING@7 7 G
8121600	HORT SCIENCE & SERS Horticulture Science & Services	9-12	/			
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y	EQ	1.0	AGRICULTUR1 @2
8121510	INTRO HORTICULTURE 2 Introductory Horticulture 2/Level 3	9-12	/Y	PA	1.0	AGRICULTUR1 @2
8121520	HORTICULTURE SCI 3 Horticultural Science 3 /Level 3	9-12	/Y	PA	1.0	AGRICULTUR1 @2
8121610	HORT SCI & SERS 4 Horticulture Science and Services 4 /Level 2	9-12	/Y		1.0	AGRICULTUR1 @2
8121620	HORT SCI & SERS 5 Horticulture Science and Services 5 /Level 2	9-12	/Y		1.0	AGRICULTUR1 @2
8121630	HORT SCI & SERS 6 Horticulture Science & Services 6/ Level 2	9-12	/Y		1.0	AGRICULTUR1 @2 HORTICULT#7

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						COURSES MEETING
A200100	LANDSCAPE & TURF MGM Landscape & Turf Management	30, 31	/			
ORH0862	NURSERY WORKERS Nursery Workers	30, 31	/Y	2.0	AGRI CULTUR1 @2 HORTI CULT#7	
ORH0802	LANDSCAPE & GROUNDS Landscape and Groundskeeping	30, 31	/Y	3.0	AGRI CULTUR1 @2 HORTI CULT#7	
ORH0803	LANDS & GROUNDS SUPR Landscape and Groundskeeping Supervisors	30, 31	/Y	1.0	AGRI CULTUR1 @2 HORTI CULT#7	
8002100	LANDSCAPE OPERATIONS Landscape Operations	9-12	/			
8106810	AGRI SCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y	EQ	1.0	AGRI CULTUR1 @2
8121510	INTRO HORTICULTURE 2 Introductory Horticulture 2/Level 3	9-12	/Y	PA	1.0	AGRI CULTUR1 @2
8121520	HORTICULTURE SCI 3 Horticultural Science 3 /Level 3	9-12	/Y	PA	1.0	AGRI CULTUR1 @2
8121310	LAND & TURF SCI 4 Landscape and Turf Science 4/Level 2	9-12	/Y		1.0	AGRI CULTUR1 @2 HORTI CULT#7
8121320	LAND & TURF SCI 5 Landscape and Turf Science 5/Level 2	9-12	/Y		1.0	AGRI CULTUR1 @2 HORTI CULT#7
8121410	SPRTS&REC TURF OPS 6 Sports and Recreational Turf Operations 6/Level 2	9-12	/Y		1.0	AGRI CULTUR1 @2 HORTI CULT#7
A010616	NURSERY MANAGEMENT Nursery Management	30, 31	/			
ORH0862	NURSERY WORKERS Nursery Workers	30, 31	/Y	2.0	AGRI CULTUR1 @2 HORTI CULT#7	
ORH0863	NURSERY & GRNHS MGR1 Nursery and Greenhouse Managers 1	30, 31	/Y	3.0	AGRI @2 AGRI CULTUR1 @2 HORTI CULT#7	
ORH0864	NURSERY & GRNHS MGR2 Nursery and Greenhouse Managers 2	30, 31	/Y	1.0	AGRI @2 AGRI CULTUR1 @2 HORTI CULT#7	
ANIMAL SYSTEMS CAREER PATH (AGPC)						
8106200	ANIMAL SCI & SERV Animal Science and Services	9-12	/			
8106810	AGRI SCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y	EQ	1.0	AGRI CULTUR1 @2
8106210	ANIM SCI & SERS 2 Animal Science and Services 2/Level 2	9-12	/Y		1.0	AGRI CULTUR1 @2
8106220	ANIM SCI & SERS 3 Animal Science and Services 3/Level 2	9-12	/Y		1.0	AGRI CULTUR1 @2
8106230	ANIM SCI & SERS 4 Animal Science and Services 4/Level 2	9-12	/Y		1.0	AGRI CULTUR1 @2
8106240	ANIM SCI & SERS 5 Animal Science and Services 5/Level 2	9-12	/Y		1.0	AGRI CULTUR1 @2

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8106250	ANIM SCI & SERS 6 Animal Science and Services 6/Level 2	9-12	/Y	1.0	AGRICULTUR1 @2
8004100	AQUACULTURE Aquaculture	9-12	/		
8106810	AGRI SCIENCE FOUND 1 Agriculture Foundations 1/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2
8112010	AQUACULTURE 2 Aquaculture 2/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2
8112020	AQUACULTURE 3 Aquaculture 3/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2
8112030	AQUACULTURE 4 Aquaculture 4/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2
8004200	EQUESTRIAN STUDIES Equestrian Studies	9-12	/		
8106810	AGRI SCIENCE FOUND 1 Agriculture Foundations 1/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2
8004210	INTRO TO EQUESTRIAN Introduction to Equestrian Studies/ Level 2	9-12	/Y PA	1.0	AGRICULTUR1 @2
8004220	BEGINNING EQUESTRIAN Beginning Equestrian/Level 2	9-12	/Y PA	1.0	AGRICULTUR1 @2
8004230	INTERMEDIATE EQUEST Intermediate Equestrian/Level 2	9-12	/Y PA	1.0	AGRICULTUR1 @2
8004240	ADVANCED EQUESTRIAN Advanced Equestrian/Level 2	9-12	/Y PA	1.0	AGRICULTUR1 @2
8115110	VETERINARY ASSISTING Veterinary Assisting	9-12	/		
8111510	VETERINARY ASSIST 1 Veterinary Assisting 1/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2 VET ASSIST7 G
8111540	VETERINARY ASSIST 2 Veterinary Assisting 2/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2 VET ASSIST7 G
8111550	VETERINARY ASSIST 3 Veterinary Assisting 3/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2 VET ASSIST7 G
8111520	VETERINARY ASSIST 4 Veterinary Assisting 4/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2 VET ASSIST7 G
8111530	VETERINARY ASSIST 5 Veterinary Assisting 5/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2 VET ASSIST7 G
A010512	VETERINARY ASSISTING Veterinary Assisting	30, 31	/		
ATE0006	VET ASST & LAB ANI 1 Veterinary Assistants and Laboratory Animal Caretakers 1	30, 31	/Y	3.0	AGRI @2 AGRICULTUR1 @2 AG SUPPLI@7 G VET ASSIST7 G
ATE0070	VET ASST & LAB ANI 2 Veterinary Assistants and Laboratory Animal Caretakers 2	30, 31	/Y	1.0	AGRI @2 AGRICULTUR1 @2 AG SUPPLI@7 G VET ASSIST7 G

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ATE0072	VETERINARY ASSISTANT Veterinary Assistant	30, 31	/Y	1.0	AGRI @2 AGRICULTUR1 @2 AG SUPPLI@7 G VET ASSIST7 G
POWER, STRUCTURAL & TECHNICAL SYSTEMS CAREER PATH (AGPD)					
8005200	AG USE OF UAS TECH Agricultural Use of UAS Technology	11-12	/		
8005233	AG USE OF UAS TECH Agricultural Use of UAS Technology/ Level 3	11-12	/Y	1.0	AGRI 1 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8005100	TECHNICAL AG OPS Technical Agriculture Operations	9-12	/		
8106810	AGRICIENCE FOUND 1 Agriculture Foundations 1/Level 3	9-12	/Y	EQ	1.0 AGRICULTUR1 @2
8005110	TECHNICAL AG OPS 2 Technical Agriculture Operations 2/ Level 2	9-12	/Y		1.0 AGRICULTUR1 @2 AGRI MECH#7
8005120	TECHNICAL AG OPS 3 Technical Agriculture Operations 3/ Level 2	9-12	/Y		1.0 AGRICULTUR1 @2 AGRI MECH#7
8005130	TECHNICAL AG OPS 4 Technical Agriculture Operations 4/ Level 2	9-12	/Y		1.0 AGRICULTUR1 @2 AGRI MECH#7
8005140	TECHNICAL AG OPS 5 Technical Agriculture Operations 5/ Level 2	9-12	/Y		1.0 AGRICULTUR1 @2 AGRI MECH#7
NATURAL RESOURCES SYSTEMS CAREER PATH (AGPE)					
8118300	FORESTRY Forestry	9-12	/		
8106810	AGRICIENCE FOUND 1 Agriculture Foundations 1/Level 3	9-12	/Y	EQ	1.0 AGRICULTUR1 @2
8118310	FORESTRY & NAT RES 2 Forestry and Natural Resources 2/ Level 2	9-12	/Y		1.0 AGRICULTUR1 @2
8118320	FORESTRY & NAT RES 3 Forestry and Natural Resources 3/ Level 2	9-12	/Y		1.0 AGRICULTUR1 @2
8118330	FORESTRY 4 Forestry 4/Level 2	9-12	/Y		1.0 AGRICULTUR1 @2
8006200	NATURAL RESOURCES Natural Resources	9-12	/		
8106810	AGRICIENCE FOUND 1 Agriculture Foundations 1/Level 3	9-12	/Y	EQ	1.0 AGRICULTUR1 @2

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8006220	INTRO TO NAT RES 2 Introduction to Natural Resources 2 /Level 3	9-12	/Y	1.0	AGRICULTUR1 @2
8006230	NAT RESOURCE TEC 3 Natural Resource Technology 3/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2
8006240	NAT RESOURCE MGMT 4 Natural Resource Management 4/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2
8006250	ADV NAT RESOURCES 5 Advanced Natural Resources 5/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2
ENVIRONMENTAL SERVICE SYSTEMS CAREER PATH (AGPF)					
P150509	ADV WATER TRTMT TECH Advanced Water Treatment Technologies	30, 31	/		
EVS0355	MEMB WTR TREAT SPEC Membrane Water Treatment Specialist	30, 31	/Y	2.0	WSP OPER 7 G
EVS0357	HIGH PUR WTR TR SPEC High Purity Water Treatment Specialist	30, 31	/Y	2.0	WSP OPER 7 G
8007300	ENV WATER & RECL TEC Environmental Water & Reclamation Technology	9-12	/		
8007110	INTRO ENV WATER TECH Introduction to Environmental Water Technology/Level 2	9-12	/Y	1.0	ENV WAT TE7 G
8007120	INTM ENV WATER TECH Intermediate Environmental Water Technology/Level 2	9-12	/Y	1.0	ENV WAT TE7 G
8007130	ADV ENV WATER TECH Advanced Environmental Water Technology/Level 2	9-12	/Y	1.0	ENV WAT TE7 G
8007210	ADV ENV WAT RECLAIM Advanced Environmental Water Reclamation Technology/ Level 2	9-12	/Y	1.0	ENV WAT TE7 G
P150527	WSTWTR TRTMT TECHS Wastewater Treatment Technologies	30, 31	/		
EVS0333	WSTWTR TREAT PL OP, C Wastewater Treatment Plant Operator, Level "C"	30, 31	/Y	1.0	WSP OPER 7 G
EVS0343	WSTWTR TREAT PL OP, B Wastewater Treatment Plant Operator, Level "B"	30, 31	/S	0.5	WSP OPER 7 G
EVS0350	WSTWTR TREAT PL OP, A Wastewater Treatment Plant Operator, Level "A"	30, 31	/S	0.5	WSP OPER 7 G

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P150507	WATER TREATMENT TECH Water Treatment Technologies	30, 31 /			
EVS0133	WTR TREAT PL OP, C Water Treatment Plant Operator, Level "C"	30, 31 /Y		1.0 WSP OPER	7 G
EVS0143	WTR TREAT PL OP, B Water Treatment Plant Operator, Level "B"	30, 31 /S		0.5 WSP OPER	7 G
EVS0153	WTR TREAT PL OP, A Water Treatment Plant Operator, Level "A"	30, 31 /S		0.5 WSP OPER	7 G
AGRIBUSINESS SYSTEMS CAREER PATH (AGPG)					
8117000	AGRICULTURAL COMM Agricultural Communications	9-12 /			
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12 /Y	EQ	1.0 AGRICULTUR1	@2
8117010	AG COMMUNICATIONS 2 Agricultural Communications 2/Level 3	9-12 /Y	PA	1.0 AGRICULTUR1	@2
8117020	AG COMMUNICATIONS 3 Agricultural Communications 3/Level 3	9-12 /Y	PA	1.0 AGRICULTUR1	@2
8116000	AG SALES & SERVICES Agricultural Sales and Services	9-12 /			
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12 /Y	EQ	1.0 AGRICULTUR1	@2
8116010	AG SALES & SERS 2 Agricultural Sales and Services 2/ Level 3	9-12 /Y	EC	1.0 AGRICULTUR1	@2
8116020	AG SALES & SERS 3 Agricultural Sales and Services 3/ Level 3	9-12 /Y	PA	1.0 AGRICULTUR1	@2
8106800	AGRITECHNOLOGY Agritechnology	9-12 /			
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12 /Y	EQ	1.0 AGRICULTUR1	@2
8106820	AGRITECHNOLOGY 1 Agritechnology 1/Level 2	9-12 /Y		1.0 AGRICULTUR1	@2
8106830	AGRITECHNOLOGY 2 Agritechnology 2/Level 2	9-12 /Y		1.0 AGRICULTUR1	@2
8009100	PRIN OF AGRI & MGMT Principles of Agribusiness and Management	9-12 /			
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12 /Y	EQ	1.0 AGRICULTUR1	@2
8009110	AG LEAD & MANAGEMENT Agriculture Leadership and Management /Level 3	9-12 /Y		1.0 AGRICULTUR1	@2

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						AGRICULTURE	AGRICULTURE
8009120	PRIN OF AGRIBUSINESS Principles of Agribusiness/Level 3	9-12	/Y EC	1.0	AGRICULTUR1 @2		
AGRICULTURE BIOTECHNOLOGY (AGPH)							
8003100	AGRICULTURE BIOTECH Agriculture Biotechnology	9-12	/				
8106810	AGRICULTURE FOUND 1 Agriculture Foundations 1/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2		
8106850	AG BIOTECHNOLOGY 2 Agricultural Biotechnology 2/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2		
8106860	AG BIOTECHNOLOGY 3 Agricultural Biotechnology 3/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2		
8106120	ANIMAL BIOTECHNOLOGY Animal Biotechnology/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2		
8106510	PLANT BIOTECHNOLOGY Plant Biotechnology/Level 3	9-12	/Y	1.0	AGRICULTUR1 @2		
SUPPLEMENTAL PROGRAMS							
8100330	ADV CONCEPTS OF AG Advanced Concepts of Agriscience/ Level 2	11-12	/Y	1.0	AGRICULTUR 1 @2		
8100410	AGRI, FOOD, NR - OJT Agriculture, Food and Natural Resources Cooperative Education - OJT	9-12	/M	MULTIPLE	AGRICULTUR 1 @2		ANY AG ED G ¶
8100100	AGRI, FOOD, NR DS Agriculture, Food and Natural Resources Directed Study	11-12	/M	MULTIPLE	AGRICULTUR 1 @2		ANY AG ED G ¶
8100210	EX OF AGRISCI Exploration of Agriscience	6-8	/S		AGRICULTUR 1 @2		EXP AG @4
8021400	FUND OF AG SERVICES Fundamentals of Agriculture, Food and Natural Resource Services	6-8	/Y		AGRICULTUR 1 @2		EXP AG @4
8021300	FUND OF AG SYSTEMS Fundamentals of Agriculture, Food and Natural Resource Systems	6-8	/Y		AGRICULTUR 1 @2		EXP AG @4
8021100	INTRO TO AG, FOOD, NR Introduction to Agriculture, Food and Natural Resources	6-8	/S		AGRICULTUR 1 @2		EXP AG @4
8021110	INTRO TO AG & CP Introduction to Agriculture, Food and Natural Resources/Career Plan	6-8	/S		AGRICULTUR 1 @2		EXP AG @4



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			GRADUATION REQUIREMENTS					
8100120	INTRO AGRISCIENCE Introduction to Agriscience	6-8	/S		AGRICULTUR	1 @2	EXP AG	@4
8100310	ORIENT AGRISCIENCE Orientation to Agriscience	6-8	/S		AGRICULTUR	1 @2	EXP AG	@4
8100110	ORIEN TO AGSCI & C P Orientation to Agriscience and Career Planning	6-8	/S		AGRICULTUR	1 @2	EXP AG	@4

## APPRENTICESHIP PROGRAMS

A01061R	NURSERY MGMT- APPR Nursery Management - Apprenticeship	30, 31	/					
A01062R	NURSERY TEC- APPR Nursery Technician - Apprenticeship	30, 31	/					
A01051R	SERVICE ANIMAL TRAIN Service Animal Trainer - Apprenticeship	30, 31	/					
8199990	AGRIBUS ED TRAN Agribusiness Education Transfer	9-12	/		NA			
A010000	AGRIBUS ED TRANSFER Agribusiness Education Transfer	30, 31	/		NA			

## |ARCHITECTURE &amp; CONSTRUCTION CAREER CLUSTER|

## DESIGN/PRE-CONSTRUCTION CAREER PATH (ACPA)

8101100	ARCHITECTURAL DRAFT Architectural Drafting	9-12	/					
8725010	DRAFTING 1 Drafting 1/Level 3	9-12	/Y	PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G		
8725020	DRAFTING 2 Drafting 2/Level 3	9-12	/Y	PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G		
8725030	DRAFTING 3 Drafting 3/Level 3	9-12	/Y	PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G		

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8725040	DRAFTING 4 Drafting 4/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8725450	ARCHITEC DRAFTING 5 Architectural Drafting 5/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8725460	ARCHITEC DRAFTING 6 Architectural Drafting 6/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8101200	CIVIL AND SURVEYING Civil and Surveying Drafting	9-12	/		
8725010	DRAFTING 1 Drafting 1/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8725020	DRAFTING 2 Drafting 2/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8725030	DRAFTING 3 Drafting 3/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8725040	DRAFTING 4 Drafting 4/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8725550	CIVIL SURVEY DRAFT 5 Civil and Surveying Drafting 5/ Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8725560	CIVIL SURVEY DRAFT 6 Civil and Surveying Drafting 6/ Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8915000	CIVIL ENGINEER AIDE Civil Engineering Aide	9-12	/		
8915010	CIVIL ENGR AIDE 1 Civil Engineering Aide 1/Level 2	9-12	/Y PA	1.0	SURVEY 7 G TEC CONST@7 7 G
8915020	CIVIL ENGR AIDE 2 Civil Engineering Aide 2/Level 2	9-12	/Y PA	1.0	SURVEY 7 G TEC CONST@7 7 G
8915030	CIVIL ENGR AIDE 3 Civil Engineering Aide 3/Level 3	9-12	/Y	1.0	SURVEY 7 G TEC CONST@7 7 G
8915040	CIVIL ENGR AIDE 4 Civil Engineering Aide 4/Level 3	9-12	/Y	1.0	SURVEY 7 G TEC CONST@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
C100300	CPT AIDED DRAWING Computer Aided Drawing and Modeling	30, 31	/		
TDR0301	CAD & MODELING I CAD & Modeling I	30, 31	/Y PA	3.0	DRAFTING @7 7 G TEC DRAFT 7 G TEC CONST@7 7 G BLDG CONS@7 7 G
TDR0302	CAD & MODELING II CAD & Modeling II	30, 31	/Y PA	3.0	DRAFTING @7 7 G TEC DRAFT 7 G TEC CONST@7 7 G BLDG CONS@7 7 G
TDR0303	MODELING CAD TECH Building Information Modeling CAD Technician	30, 31	/Y PA	2.0	DRAFTING @7 7 G TEC DRAFT 7 G TEC CONST@7 7 G BLDG CONS@7 7 G
TDR0305	MECHANICAL CAD TECH Mechanical CAD Technician	30, 31	/Y PA	2.0	DRAFTING @7 7 G TEC DRAFT 7 G TEC CONST@7 7 G BLDG CONS@7 7 G
TDR0306	CIVIL/GIS CAD TECH Civil/Geographic Information Systems CAD Technician	30, 31	/Y PA	2.0	DRAFTING @7 7 G TEC DRAFT 7 G TEC CONST@7 7 G BLDG CONS@7 7 G
8725000	DRAFTING Drafting	9-12	/		
8725010	DRAFTING 1 Drafting 1/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8725020	DRAFTING 2 Drafting 2/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8725030	DRAFTING 3 Drafting 3/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
8725040	DRAFTING 4 Drafting 4/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
C100200	DRAFTING Drafting	30, 31	/		
TDR0070	INTRO TO DRAFTING Introduction to Drafting	30, 31	/Y PA	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G
TDR0370	DRAFTING ASST Drafting Assistant	30, 31	/Y PA	3.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		
					CERTIFICATION		
TDR0775	DRAFTING DETAILER 1 Drafting Detailer 1	30, 31	/Y PA	1.0	BLDG CONS@7	7	G
					DRAFTING @7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G
TDR0776	DRAFTING DETAILER 2 Drafting Detailer 2	30, 31	/Y PA	1.0	BLDG CONS@7	7	G
					DRAFTING @7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G
TDR0570	ARCHITECTURAL DRAFT Architectural Drafter	30, 31	/Y PA	1.0	BLDG CONS@7	7	G
					DRAFTING @7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G
TDR0874	CIVIL DRAFTER Civil Drafter	30, 31	/Y PA	1.0	BLDG CONS@7	7	G
					DRAFTING @7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G
TDR0777	MECHANICAL DRAFTER Mechanical Drafter	30, 31	/Y	1.0	BLDG CONS@7	7	G
					DRAFTING @7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G
TDR0875	STRUCTURAL DRAFTER Structural Drafter	30, 31	/Y	1.0	BLDG CONS@7	7	G
					DRAFTING @7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G

## CONSTRUCTION CAREER PATH (ACPB)

8723000	A/C, REFG & HT TECH Air Conditioning, Refrigeration and Heating Technology	9-12	/				
8713010	A/C, REFG & HT TECH 1 Air Conditioning and Refrigeration Technology 1/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					REFRG MECH7	7	G
8713020	A/C&REFG & HT TECH 2 Air Conditioning and Refrigeration Technology 2/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					REFRG MECH7	7	G
8713030	A/C, REFG & HT TECH 3 Air Conditioning and Refrigeration Technology 3/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					REFRG MECH7	7	G
8713040	A/C, REFG & HT TECH 4 Air Conditioning and Refrigeration Technology 4/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					REFRG MECH7	7	G
8713050	A/C&REFG & HT TECH 5 Air Conditioning and Refrigeration Technology 5/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					REFRG MECH7	7	G
8713060	A/C&REFG & HT TECH 6 Air Conditioning and Refrigeration Technology 6/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					REFRG MECH7	7	G
8713070	A/C&REFG & HT TECH 7 Air Conditioning and Refrigeration Technology 7/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					REFRG MECH7	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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					COURSES MEETING	COURSES MEETING	
<sup>a</sup> I470203	<sup>a</sup> AIR COND, REF, HEAT Air Conditioning, Refrigeration and Heating Technology	30, 31	/				
ACR0041	AC, REF & HEAT HLP Air Conditioning, Refrigeration and Heating Helper	30, 31	/Y	1.5	AC HEAT M@7 REFRG MECH7	7 G	G
ACR0043	AC, REF & HEAT MECH Air Conditioning, Refrigeration and Heating Mechanic Assistant	30, 31	/Y	1.5	AC HEAT M@7 REFRG MECH7	7 G	G
ACR0047	AC, REFG & HEAT MEC1 Air Conditioning, Refrigeration and Heating Mechanic 1	30, 31	/Y	1.5	AC HEAT M@7 REFRG MECH7	7 G	G
ACR0049	AC, REFG & HEAT MEC2 Air Conditioning, Refrigeration and Heating Mechanic 2	30, 31	/Y	1.5	AC HEAT M@7 REFRG MECH7	7 G	G
ACR0044	HVAC/R ADV SRV HVAC/R Advanced Service Practices	30, 31	/Y	2.0	AC HEAT M@7 REFRG MECH7	7 G	G
ACR0045	HVAC/R ADV COMM HVAC/R Advanced Commercial and Industrial Service Practices	30, 31	/Y	2.0	AC HEAT M@7 REFRG MECH7	7 G	G
<sup>a</sup> C400100	<sup>a</sup> AIR COND, REF, HEAT1 Air Conditioning, Refrigeration and Heating Technology 1	30, 31	/				
ACR0041	AC, REF & HEAT HLP Air Conditioning, Refrigeration and Heating Helper	30, 31	/Y	1.5	AC HEAT M@7 REFRG MECH7	7 G	G
ACR0043	AC, REF & HEAT MECH Air Conditioning, Refrigeration and Heating Mechanic Assistant	30, 31	/Y	1.5	AC HEAT M@7 REFRG MECH7	7 G	G
ACR0047	AC, REFG & HEAT MEC1 Air Conditioning, Refrigeration and Heating Mechanic 1	30, 31	/Y	1.5	AC HEAT M@7 REFRG MECH7	7 G	G
<sup>a</sup> C400200	<sup>a</sup> AIR COND, REF, HEAT2 Air Conditioning, Refrigeration and Heating Technology 2	30, 31	/				
ACR0049	AC, REFG & HEAT MEC2 Air Conditioning, Refrigeration and Heating Mechanic 2	30, 31	/Y	1.5	AC HEAT M@7 REFRG MECH7	7 G	G
ACR0044	HVAC/R ADV SRV HVAC/R Advanced Service Practices	30, 31	/Y	2.0	AC HEAT M@7 REFRG MECH7	7 G	G
ACR0045	HVAC/R ADV COMM HVAC/R Advanced Commercial and Industrial Service Practices	30, 31	/Y	2.0	AC HEAT M@7 REFRG MECH7	7 G	G
8722900	BRK & BLOCK MASONRY Brick and Block Masonry	9-12	/				
8722610	MASONRY 1 Masonry 1/Level 2	9-12	/Y	1.0	BLDG CONST@7 TEC CONST@7 TROWEL TR 7	@G @G 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
8722620	MASONRY 2 Masonry 2/Level 2	9-12	/Y	1.0	BLDG CONS@7 7 G TEC CONST@7 7 G TROWEL TR 7 G
8722630	MASONRY 3 Masonry 3/Level 2	9-12	/Y	1.0	BLDG CONS@7 7 G TEC CONST@7 7 G TROWEL TR 7 G
8722640	MASONRY 4 Masonry 4/Level 2	9-12	/Y	1.0	BLDG CONS@7 7 G TEC CONST@7 7 G TROWEL TR 7 G
8722650	MASONRY 5 Masonry 5/Level 2	9-12	/Y	1.0	BLDG CONS@7 7 G TEC CONST@7 7 G TROWEL TR 7 G
I463112	BRK & BLK MASONRY Brick and Block Masonry	30, 31	/		
BCV0330	MASONRY TENDER Masonry Tender	30, 31	/Y	3.0	BLDG CONS@7 7 G TEC CONST@7 7 G TROWEL TR 7 G
BCV0360	BRICKLAYER HELPER Bricklayer Helper	30, 31	/Y	2.0	BLDG CONS@7 7 G TEC CONST@7 7 G TROWEL TR 7 G
BCV0362	BRICKMASON 1 Brickmason 1	30, 31	/Y	3.0	BLDG CONS@7 7 G TEC CONST@7 7 G TROWEL TR 7 G
BCV0363	BRICKMASON 2 Brickmason 2	30, 31	/Y	3.0	BLDG CONS@7 7 G TEC CONST@7 7 G TROWEL TR 7 G
8720300	BUILDING CONST TECH Building Construction Technologies	9-12	/		
8720310	BLDG CONST TECH 1 Building Construction Technologies 1/Level 2	9-12	/Y	1.0	AC HEAT M@7 7 G BLDG CONS@7 7 G BLDG MAIN@7 7 G CARPENTRY@7 7 G DRAFTING @7 7 G ELECTRICA@7 7 G ENG 7 G PLUMBIN @7 7 G SHEETMETA@7 7 G TEC CONST@7 7 G TEC DRAFT 7 G TROWEL TR 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					COURSES MEETING	GRADUATION	
8720320	BLDG CONST TECH 2 Building Construction Technologies 2/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					BLDG CONS@7	7	G
					BLDG MAIN@7	7	G
					CARPENTRY@7	7	G
					DRAFTING @7	7	G
					ELECTRICA@7	7	G
					ENG	7	G
					PLUMBIN @7	7	G
					SHEETMETA@7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G
					TROWEL TR	7	G
					8720330	BLDG CONST TECH 3 Building Construction Technologies 3/Level 3	9-12
BLDG CONS@7	7	G					
BLDG MAIN@7	7	G					
CARPENTRY@7	7	G					
DRAFTING @7	7	G					
ELECTRICA@7	7	G					
ENG	7	G					
PLUMBIN @7	7	G					
SHEETMETA@7	7	G					
TEC CONST@7	7	G					
TEC DRAFT	7	G					
TROWEL TR	7	G					
8720340	BLDG CONST TECH 4 Building Construction Technologies 4/Level 2	9-12	/Y	1.0			
					BLDG CONS@7	7	G
					BLDG MAIN@7	7	G
					CARPENTRY@7	7	G
					DRAFTING @7	7	G
					ELECTRICA@7	7	G
					ENG	7	G
					PLUMBIN @7	7	G
					SHEETMETA@7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G
					TROWEL TR	7	G
					8720350	BLDG CONST TECH 5 Building Construction Technologies 5/Level 2	9-12
BLDG CONS@7	7	G					
BLDG MAIN@7	7	G					
CARPENTRY@7	7	G					
DRAFTING @7	7	G					
ELECTRICA@7	7	G					
ENG	7	G					
PLUMBIN @7	7	G					
SHEETMETA@7	7	G					
TEC CONST@7	7	G					
TEC DRAFT	7	G					
TROWEL TR	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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING							
					CERTIFICATION							
8720360	BLDG CONST TECH 6 Building Construction Technologies 6/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G					
					BLDG CONS@7	7	G					
					BLDG MAIN@7	7	G					
					CARPENTRY@7	7	G					
					DRAFTING @7	7	G					
					ELECTRICA@7	7	G					
					ENG	7	G					
					PLUMBIN @7	7	G					
					SHEETMETA@7	7	G					
					TEC CONST@7	7	G					
					TEC DRAFT	7	G					
					TROWEL TR	7	G					
					8720370	BLDG CONST TECH 7 Building Construction Technologies 7/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
										BLDG CONS@7	7	G
BLDG MAIN@7	7	G										
CARPENTRY@7	7	G										
DRAFTING @7	7	G										
ELECTRICA@7	7	G										
ENG	7	G										
PLUMBIN @7	7	G										
SHEETMETA@7	7	G										
TEC CONST@7	7	G										
TEC DRAFT	7	G										
TROWEL TR	7	G										
I460401	BUILDING CONST TECH Building Construction Technologies	30, 31	/									
BCV0400	BLDG CONST HLP Building Construction Helper	30, 31	/Y	3.0	AC HEAT M@7	7	G					
					BLDG CONS@7	7	G					
					BLDG MAIN@7	7	G					
					CARPENTRY@7	7	G					
					DRAFTING @7	7	G					
					ELECTRICA@7	7	G					
					ENG	7	G					
					PLUMBIN @7	7	G					
					SHEETMETA@7	7	G					
					TEC CONST@7	7	G					
					TEC DRAFT	7	G					
					TROWEL TR	7	G					
					BCV0401	BLDG CONST TECH 1 Building Construction Technician 1	30, 31	/Y	2.0	AC HEAT M@7	7	G
										BLDG CONS@7	7	G
BLDG MAIN@7	7	G										
CARPENTRY@7	7	G										
DRAFTING @7	7	G										
ELECTRICA@7	7	G										
ENG	7	G										
PLUMBIN @7	7	G										
SHEETMETA@7	@7	G										
TEC CONST@7	7	G										
TEC DRAFT	7	G										
TROWEL TR	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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		
					CERTIFICATION		
BCV0402	BLDG CONST TECH 2 Building Construction Technician 2	30, 31	/Y	2.0	AC HEAT M@7	7	G
					BLDG CONS@7	7	G
					BLDG MAIN@7	7	G
					CARPENTRY@7	@7	G
					DRAFTING @7	7	G
					ELECTRICA@7	7	G
					ENG	7	G
					PLUMBIN @7	7	G
					SHEETMETA@7	7	G
					TEC CONST@7	7	G
					TEC DRAFT 7	G	
	TROWEL TR 7	G					
8722000	BLDG TR & CONST DSN Building Trades and Construction Design Technology	9-12	/				
8722010	BLDG TR & CDT 1 Building Trades and Construction Design Technology 1/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					BLDG CONS@7	7	G
					BLDG MAIN@7	7	G
					CARPENTRY@7	7	G
					DRAFTING @7	7	G
					ELECTRICA@7	7	G
					ENG	7	G
					PLUMBIN @7	7	G
					ROOFING	7	G
					SHEETMETA@7	7	G
					TEC CONST@7	7	G
TEC DRAFT 7	G						
	ENG&TEC ED1	@2					
	TROWEL TR 7	G					
8722020	BLDG TR & CDT 2 Building Trades and Construction Design Technology 2/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					BLDG CONS@7	7	G
					BLDG MAIN@7	7	G
					CARPENTRY@7	7	G
					DRAFTING @7	7	G
					ELECTRICA@7	7	G
					ENG	7	G
					PLUMBIN @7	7	G
					ROOFING	7	G
					SHEETMETA@7	7	G
					TEC CONST@7	7	G
TEC DRAFT 7	G						
	ENG&TEC ED1	@2					
	TROWEL TR 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		
					CERTIFICATION		
8722030	BLDG TR & CDT 3 Building Trades and Construction Design Technology 3/Level 3	9-12	/Y PA	1.0	AC HEAT M@7	7	G
					BLDG CONS@7	7	G
					BLDG MAIN@7	7	G
					CARPENTRY@7	7	G
					DRAFTING @7	7	G
					ELECTRICA@7	7	G
					ENG	7	G
					PLUMBIN @7	7	G
					ROOFING	7	G
					SHEETMETA@7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G
					ENG&TEC ED1	@2	
					TROWEL TR	7	G
8722040	BLDG TR & CDT 4 Building Trades and Construction Design Technology 4/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					BLDG CONS@7	7	G
					BLDG MAIN@7	7	G
					CARPENTRY@7	7	G
					DRAFTING @7	7	G
					ELECTRICA@7	7	G
					ENG	7	G
					PLUMBIN @7	7	G
					ROOFING	7	G
					SHEETMETA@7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G
					ENG&TEC ED1	@2	
					TROWEL TR	7	G
8722050	BLDG TR & CDT 5 Building Trades and Construction Design Technology 5/Level 2	9-12	/Y	1.0	AC HEAT M@7	7	G
					BLDG CONS@7	7	G
					BLDG MAIN@7	7	G
					CARPENTRY@7	7	G
					DRAFTING @7	7	G
					ELECTRICA@7	7	G
					ENG	7	G
					PLUMBIN @7	7	G
					ROOFING	7	G
					SHEETMETA@7	7	G
					TEC CONST@7	7	G
					TEC DRAFT	7	G
					ENG&TEC ED1	@2	
					TROWEL TR	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			
8722060	BLDG TR & CDT 6 Building Trades and Construction Design Technology 6/Level 3	9-12	/Y PA	1.0		AC HEAT M@7	7	G
						BLDG CONS@7	7	G
						BLDG MAIN@7	7	G
						CARPENTRY@7	7	G
						DRAFTING @7	7	G
						ELECTRICA@7	7	G
						ENG	7	G
						PLUMBIN @7	7	G
						ROOFING	7	G
						SHEETMETA@7	7	G
						TEC CONST@7	7	G
						TEC DRAFT	7	G
						ENG&TEC ED1	@2	
						TROWEL TR	7	G
C100100	BLDG TR & CONST DSN Building Trades and Construction Design Technology	30, 31	/					
BCV0080	BLDG CONSTR ASST Building Construction Assistant	30, 31	/Y PA	3.0		AC HEAT M@7	7	G
						BLDG CONS@7	7	G
						BLDG MAIN@7	7	G
						CARPENTRY@7	7	G
						DRAFTING @7	7	G
						ELECTRICA@7	7	G
						ENG	7	G
						PLUMBIN @7	7	G
						ROOFING	7	G
						SHEETMETA@7	7	G
						TEC CONST@7	7	G
						TEC DRAFT	7	G
						ENG&TEC ED1	@2	
						TROWEL TR	7	G
BCV0081	CARP & MASONRY TECH Carpentry and Masonry Technician	30, 31	/Y	1.0		AC HEAT M@7	7	G
						BLDG CONS@7	7	G
						BLDG MAIN@7	7	G
						CARPENTRY@7	7	G
						DRAFTING @7	7	G
						ELECTRICA@7	7	G
						ENG	7	G
						PLUMBIN @7	7	G
						ROOFING	7	G
						SHEETMETA@7	7	G
						TEC CONST@7	7	G
						TEC DRAFT	7	G
						ENG&TEC ED1	@2	
						TROWEL TR	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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						AC HEAT M@7	7 G
BCV0082	ELEC & PLUMBING TECH Electrical and Plumbing Techni ci an	30, 31	/Y	1.0		BLDG CONS@7	7 G
						BLDG MAIN@7	7 G
						CARPENTRY@7	7 G
						DRAFTING @7	7 G
						ELECTRI CA@7	7 G
						ENG	7 G
						PLUMBIN @7	7 G
						ROOFING	7 G
						SHEETMETA@7	7 G
						TEC CONST@7	7 G
						TEC DRAFT	7 G
						ENG&TEC ED1	@2
						TROWEL TR	7 G
						TROWEL TR	7 G
BCV0083	BLDG MAINTENANCE TEC Bui lding Mai ntenance Techni ci an	30, 31	/Y PA	1.0		AC HEAT M@7	7 G
						BLDG CONS@7	7 G
						BLDG MAIN@7	7 G
						CARPENTRY@7	7 G
						DRAFTING @7	7 G
						ELECTRI CA@7	7 G
						ENG	7 G
						PLUMBIN @7	7 G
						ROOFING	7 G
						SHEETMETA@7	7 G
						TEC CONST@7	7 G
						TEC DRAFT	7 G
						ENG&TEC ED1	@2
						TROWEL TR	7 G
8104400	CABINETMAKING Cabi netmaki ng	9- 12	/				
8104410	CABINETMAKING 1 Cabi netmaki ng 1/Level 2	9- 12	/Y	1.0		BLDG CONS@7	7 G
						CAB WOODW@7	7 G
						CARPENTRY@7	7 G
8104420	CABINETMAKING 2 Cabi netmaki ng 2/Level 2	9- 12	/Y PA	1.0		TEC CONST@7	7 G
						BLDG CONS@7	7 G
						CAB WOODW@7	7 G
8104430	CABINETMAKING 3 Cabi netmaki ng 3/Level 3	9- 12	/Y	1.0		CARPENTRY@7	7 G
						TEC CONST@7	7 G
						BLDG CONS@7	7 G
8720140	CABINETMAKING 4 Cabi netmaki ng 4/Level 2	9- 12	/Y	1.0		CAB WOODW@7	7 G
						CARPENTRY@7	7 G
						TEC CONST@7	7 G
8720150	CABINETMAKING 5 Cabi netmaki ng 5/Level 2	9- 12	/Y	1.0		BLDG CONS@7	7 G
						CAB WOODW@7	7 G
						CARPENTRY@7	7 G
						TEC CONST@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
C410400	CABINETMAKING Cabinetmaking	30, 31	/		
BCV0200	CABINETMAKER HELPER Cabinetmaker Helper	30, 31	/Y	2.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
BCV0235	CABINET FINISHER Cabinet Finisher	30, 31	/Y	1.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
BCV0240	CABINET ASSEMBLER Cabinet Assembler	30, 31	/Y	2.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
BCV0243	CABINETMAKER Cabinetmaker	30, 31	/Y	3.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
8104300	CARPENTRY Carpentry	9-12	/		
8104310	CARPENTRY FUNDS Carpentry Fundamentals/Level 2	9-12	/Y	1.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
8104320	CARPENTRY LAYOUT Carpentry Layout/Level 2	9-12	/Y	1.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
8104330	CARPENTRY FRAMING Carpentry Framing/Level 3	9-12	/Y	1.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
8104340	CARPENTRY EXTERIOR Carpentry Exterior/Level 3	9-12	/Y	1.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
8104350	CARPENTRY FINISH Carpentry Finish/Level 3	9-12	/Y	1.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
C510300	CARPENTRY Carpentry	30, 31	/		
BCV0112	INTRO TO CARPENTRY Introduction to Carpentry	30, 31	/Y	1.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
BCV0122	ROUGH FRAME CARP Rough Framing Carpentry	30, 31	/Y	3.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@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
BCV0125	FINISH TRIM CARP Finish Trim Carpentry	30, 31	/Y	3.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
BCV0123	FOUND/Form CARP Foundation and Form Carpentry	30, 31	/Y	1.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
I460314	ELECTRICIAN Electrician	30, 31	/		
BCV0603	ELECTRICIAN HELPER Electrician Helper	30, 31	/Y	2.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
BCV0640	RES ELECTRICIAN Residential Electrician	30, 31	/Y	3.0	ELECTRICA@7 7 G
BCV0652	COMM ELECTRICIAN Commercial Electrician	30, 31	/Y	3.0	ELECTRICA@7 7 G
BCV0667	INDUST ELECTRICIAN Industrial Electrician	30, 31	/Y	2.0	ELECTRICA@7 7 G
8727200	ELECTRICITY Electricity	9-12	/		
8727210	ELECTRICITY 1 Electricity 1/Level 2	9-12	/Y	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
8727220	ELECTRICITY 2 Electricity 2/Level 2	9-12	/Y	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
8727230	ELECTRICITY 3 Electricity 3/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G
8727240	ELECTRICITY 4 Electricity 4/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G
8727250	ELECTRICITY 5 Electricity 5/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G
8727260	ELECTRICITY 6 Electricity 6/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G
8727270	ELECTRICITY 7 Electricity 7/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G
8727280	ELECTRICITY 8 Electricity 8/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G
I460312	ELECTRICITY Electricity	30, 31	/		
BCV0603	ELECTRICIAN HELPER Electrician Helper	30, 31	/Y	2.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
BCV0640	RES ELECTRICIAN Residential Electrician	30, 31	/Y	3.0	ELECTRICA@7 7 G
BCV0652	COMM ELECTRICIAN Commercial Electrician	30, 31	/Y	3.0	ELECTRICA@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	
C400400	HVAC/R Heating, Ventilation, Air-Conditioning /Refrigeration (HVAC/R)	30, 31	/			
ACR0000	INTRO TO HVAC/R Introduction to HVAC/R	30, 31	/Y	1.5	AC HEAT M@7	7 G
ACR0001	HVAC/R FUNDAMENTALS HVAC/R Fundamentals	30, 31	/Y	1.5	AC HEAT M@7	7 G
ACR0012	HVAC/R SRV PRACTICES HVAC/R Service Practices	30, 31	/Y	1.5	AC HEAT M@7	7 G
ACR0013	HVAC/R INT SERVICES HVAC/R Intermediate Service Practices	30, 31	/Y	1.5	AC HEAT M@7	7 G
ACR0044	HVAC/R ADV SRV HVAC/R Advanced Service Practices	30, 31	/Y	2.0	AC HEAT M@7	7 G
ACR0045	HVAC/R ADV COMM HVAC/R Advanced Commercial and Industrial Service Practices	30, 31	/Y	2.0	AC HEAT M@7	7 G
C400410	HVAC/R 1 Heating, Ventilation, Air-Conditioning /Refrigeration (HVAC/R) 1	30, 31	/			
ACR0000	INTRO TO HVAC/R Introduction to HVAC/R	30, 31	/Y	1.5	AC HEAT M@7	7 G
ACR0001	HVAC/R FUNDAMENTALS HVAC/R Fundamentals	30, 31	/Y	1.5	AC HEAT M@7	7 G
ACR0012	HVAC/R SRV PRACTICES HVAC/R Service Practices	30, 31	/Y	1.5	AC HEAT M@7	7 G
C400420	HVAC/R 2 Heating, Ventilation, Air-Conditioning /Refrigeration (HVAC/R) 2	30, 31	/			
ACR0013	HVAC/R INT SERVICES HVAC/R Intermediate Service Practices	30, 31	/Y	1.5	AC HEAT M@7	7 G
ACR0044	HVAC/R ADV SRV HVAC/R Advanced Service Practices	30, 31	/Y	2.0	AC HEAT M@7	7 G
ACR0045	HVAC/R ADV COMM HVAC/R Advanced Commercial and Industrial Service Practices	30, 31	/Y	2.0	AC HEAT M@7	7 G
I460514	INDUST PIPEFITTER Industrial Pipefitter	30, 31	/			
BCV0568	INDUST PIPEFIT HLP Industrial Pipefitter Helper	30, 31	/Y	2.0	BLDG CONS@7	7 G
BCV0569	INDUST PIPEFITTER Industrial Pipefitter	30, 31	/Y	2.0	PLUMBIN @7	7 G
8721500	PAINT & DECORATING Painting and Decorating	9-12	/			
8721510	PAINTING 1 Painting 1/Level 2	9-12	/Y	1.0	TEC CONST¶G	¶G
					BLDG CONS¶7	¶G
					PAINTING 7	G
					TEC CONST¶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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8721520	PAINTING 2 Painting 2/Level 2	9-12	/Y	1.0	BLDG CONS@7 G PAINTING 7 G TEC CONST@7 G
8721530	PAINT & DECORATING 3 Painting & Decorating 3/Level 2	9-12	/Y PA	1.0	BLDG CONS@7 G PAINTING 7 G TEC CONST@7 G
8721540	PAINT & DECORATING 4 Painting & Decorating 4/Level 2	9-12	/Y	1.0	BLDG CONS@7 G PAINTING 7 G TEC CONST@7 G
8105500	PLUMBING Plumbing	9-12	/		
8721610	PLUMBING TECH 1 Plumbing Technology 1/Level 2	9-12	/Y	1.0	BLDG CONS@7 G PLUMBIN @7 7 G TEC CONST@7 G
8721620	PLUMBING TECH 2 Plumbing Technology 2/Level 2	9-12	/Y	1.0	BLDG CONS@7 G PLUMBIN @7 7 G TEC CONST@7 G
8721630	PLUMBING TECH 3 Plumbing Technology 3/Level 2	9-12	/Y	1.0	BLDG CONS@7 G PLUMBIN @7 7 G TEC CONST@7 G
8721640	PLUMBING TECH 4 Plumbing Technology 4/Level 2	9-12	/Y	1.0	BLDG CONS@7 G PLUMBIN @7 7 G TEC CONST@7 G
C500500	PLUMBING Plumbing	30, 31	/		
BCV0508	HLP, PLUMB, PIPEFIT Helper, Plumber, Pipefitter	30, 31	/Y	2.0	BLDG CONS@7 G PLUMBIN @7 7 G TEC CONST@7 G
BCV0540	RESIDENTIAL PLUMBER Residential Plumber	30, 31	/Y	2.0	BLDG CONS@7 G PLUMBIN @7 7 G TEC CONST@7 G
BCV0562	COMMERCIAL PLUMBER Commercial Plumber	30, 31	/Y	2.0	BLDG CONS@7 G PLUMBIN @7 7 G TEC CONST@7 G
BCV0596	PLUMBING APPS Plumbing Applications	30, 31	/Y	1.5	BLDG CONS@7 G PLUMBIN @7 7 G TEC CONST@7 G
MAINTENANCE/OPERATIONS (ACPC)					
C700100	ELECT SYS INT & AUTO Electronics Systems Integration and Automation	30, 31	/		
EEV0240	ELECT SYSTEM TECH Electronics System Technician	30, 31	/Y	2.0	INFO TECH 7 G ELECTRONI@7 7 G TELCOM 7 G
EEV0241	RES ELECT SYS TECH Residential Electronic Systems Technician	30, 31	/Y	2.0	INFO TECH 7 G ELECTRONI@7 7 G TELCOM 7 G



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	
EEV0242	COMM ELECT SYS TECH Commercial Electronic Systems Technician	30, 31	/Y	1.0	INFO TECH 7 G ELECTRONI@7 7 G TELCOM 7 G	
----- SUPPLEMENTAL PROGRAMS -----						
8700400	ARCH & CONSTRC - OJT Architecture and Construction Cooperative Education - OJT	9-12	/M	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE	
8700100	ARCH & CONST DS Architecture and Construction Education Directed Study	11-12	/M	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE	
8130300	FUND OF ARCH & CONST Fundamentals of Architecture and Construction	6-8	/S		BLDG CONST @7 7 G DRAFTING @7 7 G	BLDG MAINT @7 7 G ENG&TEC ED 1 @2
8109350	INTRO ARCH & CONST Introduction to Architecture and Construction	6-8	/S		BLDG CONST @7 7 G DRAFTING @7 7 G	BLDG MAINT @7 7 G ENG&TEC ED 1 @2
8109360	INTRO ARCH & CONS/CP Introduction to Architecture and Construction and Career Planning	6-8	/S		BLDG CONST @7 7 G DRAFTING @7 7 G	BLDG MAINT @7 7 G ENG&TEC ED 1 @2
----- 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	/			

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
C10020R	DRAFTING APPR Drafting Apprenti ceshi p	30, 31	/		
I46032R	ELECTRICIAN - APPR Electri ci an - Apprenti ceshi p	30, 31	/		
C60010R	ELEV CONST MECH- APPR Elevat or Construct or Mechani c - Apprenti ceshi p	30, 31	/		
I46051R	FIRE SPRY SYSS- APPR Fi re Sprinkl er System Technol ogy- Apprenti ceshi p	30, 31	/		
I15050R	GEODETIC COMP - APPR Geodeti c Computat or - Apprenti ceshi p	30, 31	/		
I46041R	GLAZING - APPR Glazi ng - Apprenti ceshi p	30, 31	/		
I46053R	INDUS PIPEFIT- APPR Industri al Pipefitt er - Apprenti ceshi p	30, 31	/		
I46031R	Line Erector- APPR Li ne Erect or - Apprenti ceshi p	30, 31	/		
I46043R	PAINT & DEC - APPR Painti ng and Decorati ng - Apprenti ceshi p	30, 31	/		
I46044R	PLASTERING - APPR Plasteri ng - Apprenti ceshi p	30, 31	/		
I46052R	PLUMBING TECH- APPR Plumbi ng Technol ogy - Apprenti ceshi p	30, 31	/		
I47020R	REFG TECH - APPR Refrigerati on Technol ogy - Apprenti ceshi p	30, 31	/		
I46049R	ROADWAY TECH- APPR Roadway Techni ci an- Apprenti ceshi p	30, 31	/		
I46045R	ROOFING - APPR Roofi ng - Apprenti ceshi p	30, 31	/		
I48051R	STRUCT ST WK- APPR Structural Steel Worker - Apprenti ceshi p	30, 31	/		

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
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	/		
8799990	INDUS ED TRAN Industrial Education Transfer	9-12	/	NA	
I000000	INDUS ED TRANSFER Industrial Education Transfer	30, 31	/	NA	

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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	DIGITAL AUDIO PROD Digital Audio Production	9-12	/				
8772310	DIGITAL AUDIO PROD 1 Digital Audio Production 1/Level 2	9-12	/Y	PA	1.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
8772320	DIGITAL AUDIO PROD 2 Digital Audio Production 2/Level 2	9-12	/Y	PA	1.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
8772330	DIGITAL AUDIO PROD 3 Digital Audio Production 3/Level 2	9-12	/Y	PA	1.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
8772340	DIGITAL AUDIO PROD 4 Digital Audio Production 4/Level 2	9-12	/Y	PA	1.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
8772350	DIGITAL AUDIO PROD 5 Digital Audio Production 5/Level 2	9-12	/Y	PA	1.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
8772360	DIGITAL AUDIO PROD 6 Digital Audio Production 6/Level 2	9-12	/Y	PA	1.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
8772370	DIGITAL AUDIO PROD 7 Digital Audio Production 7/Level 2	9-12	/Y	PA	1.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
I100230	DIGITAL AUDIO PROD Digital Audio Production	30, 31	/				
RTT0522	BROADCAST ANNOUNCER Broadcast Announcer	30, 31	/Y	PA	1.0	TEC ELEC ¶17 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
RTT0523	AUDIO EQUIPMENT TECH Audio Equipment Technician	30, 31	/Y	PA	2.0	TEC ELEC ¶17 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
RTT0524	SOUND ENGINEER TECH Sound Engineering Technician	30, 31	/Y	PA	2.0	TEC ELEC ¶17 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
RTT0527	AUDIO BROADCAST TECH Audio Broadcast Technician	30, 31	/Y	PA	2.0	TEC ELEC ¶17 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
8201700	DIGITAL CINEMA PROD Digital Cinema Production	9-12	/				
8201010	DIG CINEMA PROD 1 Digital Cinema Production 1/Level 2	9-12	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
8201020	DIG CINEMA PROD 2 Digital Cinema Production 2/Level 2	9-12	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
8201030	DIG CINEMA PROD 3 Digital Cinema Production 3/Level 2	9-12	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
8201040	DIG CINEMA PROD 4 Digital Cinema Production 4/Level 2	9-12	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
8201050	DIG CINEMA PROD 5 Digital Cinema Production 5/Level 2	9-12	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
8201000	DIGITAL CINEMA PROD Digital Cinema Production	9-12	/				
8201010	DIG CINEMA PROD 1 Digital Cinema Production 1/Level 2	9-12	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
8201020	DIG CINEMA PROD 2 Digital Cinema Production 2/Level 2	9-12	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
8201030	DIG CINEMA PROD 3 Digital Cinema Production 3/Level 2	9-12	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
8201040	DIG CINEMA PROD 4 Digital Cinema Production 4/Level 2	9-12	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
8201050	DIG CINEMA PROD 5 Digital Cinema Production 5/Level 2	9-12	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
K100100	DIGITAL CINEMA PROD Digital Cinema Production	30, 31	/				
FIL0085	VIDEO PROD MGR Video Production Manager	30, 31	/Y		2.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
FIL0086	GRIP & LIGHT TECH Grip and Lighting Technician	30, 31	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
FIL0087	MP PROJ/DIG CINEMA Motion Picture Projectionists/Digital Cinematographer	30, 31	/Y		2.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G
FIL0088	DIG VIDEO EDITOR Digital Video Editor	30, 31	/Y		1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G

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PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
FIL0089	VISUAL EFFECTS ART Visual Effects Artist	30, 31	/Y	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
8201600	DIG MEDIA/MM DESIGN Digital Media/Multimedia Design	9-12	/		
8201210	DIG MEDIA/MM FOUND 1 Digital Media/Multimedia Foundations 1/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 DIGI MEDIA7 G PRINTING @7 7 G SECRETAR 7 G ENG&TEC ED1 @2 TEC ELEC @7 TV PRO TE@7 7 G VOE @7 PHOTOG @7 7 G
8201220	DIG MEDIA/MM FOUND 2 Digital Media/Multimedia Foundations 2/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 DIGI MEDIA7 G PRINTING @7 7 G SECRETAR 7 G ENG&TEC ED1 @2 TEC ELEC @7 TV PRO TE@7 7 G VOE @7
8201230	DIG MEDIA/MM FOUND 3 Digital Media/Multimedia Foundations 3/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 DIGI MEDIA7 G PRINTING @7 7 G SECRETAR 7 G ENG&TEC ED1 @2 TEC ELEC @7 TV PRO TE@7 7 G VOE @7
8201610	DIG MEDIA/MM WEBPROD Digital Media/Multimedia Web Production/Level 3	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 DIGI MEDIA7 G PRINTING @7 7 G SECRETAR 7 G ENG&TEC ED1 @2 TEC ELEC @7 TV PRO TE@7 7 G VOE @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	SUBJECT MEETING AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES	
						MEETING	AREA
8201620	DIG MEDIA/MM MG PROD Digital Media/Multimedia Motion Graphics Production/Level 3	9-12	/Y PA	1.0		BUS ED	1 @2
						COMM ART	@7 7 G
						COMPU SCI	6
						DIGI MEDIA	7 G
						PRINTING	@7 7 G
						SECRETAR	7 G
						ENG&TEC ED1	@2
						TEC ELEC	@7
TV PRO TE	@7 7 G						
VOE	@7						
K100200	DIG MEDIA/MM DESIGN Digital Media/Multimedia Design	30, 31	/				
DIG0081	THEORY & FOUND DSN Theory and Foundations of Design	30, 31	/Y PA	1.0		BUS ED	1 @2
						COMM ART	@7 7 G
						COMPU SCI	6
						DIGI MEDIA	7 G
						PRINTING	@7 7 G
						SECRETAR	7 G
						ENG&TEC ED1	@2
						TEC ELEC	@7
TV PRO TE	@7 7 G						
VOE	@7						
DIG0082	MM DIGITAL/PRINT DSN Multimedia Digital/Print Designer	30, 31	/Y PA	2.0		BUS ED	1 @2
						COMM ART	@7 7 G
						COMPU SCI	6
						DIGI MEDIA	7 G
						PRINTING	@7 7 G
						SECRETAR	7 G
						ENG&TEC ED1	@2
						TEC ELEC	@7
TV PRO TE	@7 7 G						
VOE	@7						
DIG0083	MM WEB INTERACTIVE Multimedia Web Interactive Designer	30, 31	/Y PA	2.0		BUS ED	1 @2
						COMM ART	@7 7 G
						COMPU SCI	6
						DIGI MEDIA	7 G
						PRINTING	@7 7 G
						SECRETAR	7 G
						ENG&TEC ED1	@2
						TEC ELEC	@7
TV PRO TE	@7 7 G						
VOE	@7						

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	/	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING									
						CERTIFICATION									
DIG0084	MM PRODUCER DESIGN Multimedia Integrated Producer Designer	30, 31	/Y	PA	2.0	BUS ED 1 @2	COMM ART @7 7 G	COMPU SCI 6	DIGI MEDIA7 G	PRINTING @7 7 G	SECRETAR 7 G	ENG&TEC ED1 @2	TEC ELEC @7	TV PRO TE@7 7 G	VOE @7
8201300	DIGITAL PHOTO TECH Digital Photography Technology	9-12	/												
8201310	DIG PHOTOGRAPHY 1 Digital Photography 1/Level 2	9-12	/Y	PA	1.0	PHOTOG @7 7 G									
8201320	DIG PHOTOGRAPHY 2 Digital Photography 2/Level 2	9-12	/Y		1.0	PHOTOG @7 7 G									
8201330	DIG PHOTOGRAPHY 3 Digital Photography 3/Level 2	9-12	/Y	PA	1.0	PHOTOG @7 7 G									
8201340	DIG PHOTOGRAPHY 4 Digital Photography 4/Level 2	9-12	/Y	PA	1.0	PHOTOG @7 7 G									
8201350	DIG PHOTOGRAPHY 5 Digital Photography 5/Level 2	9-12	/Y	PA	1.0	PHOTOG @7 7 G									
8201360	DIG PHOTOGRAPHY 6 Digital Photography 6/Level 2	9-12	/Y		1.0	PHOTOG @7 7 G									
8201370	DIG PHOTOGRAPHY 7 Digital Photography 7/Level 2	9-12	/Y	PA	1.0	PHOTOG @7 7 G									
K100300	DIGITAL PHOTO TECH Digital Photography Technology	30, 31	/												
PGY0190	PHOTOGRAPHIC SPEC Photographic Specialist	30, 31	/Y	PA	1.0	PHOTOG @7 7 G									
PGY0191	PHOTOGRAPHY TECH Photography Technician	30, 31	/Y	PA	2.0	PHOTOG @7 7 G									
PGY0192	STUDIO PHOTOGRAPHER Studio Photographer	30, 31	/Y	PA	2.0	PHOTOG @7 7 G									
PGY0193	DIGITAL PHOTOGRAPHER Digital Photographer	30, 31	/Y	PA	2.0	PHOTOG @7 7 G									
8201400	DIGITAL VIDEO TECH Digital Video Technology	9-12	/												
8201410	DIGITAL VIDEO TECH 1 Digital Video Technology 1/Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2	TV PRO TE@7 7 G								
8201420	DIGITAL VIDEO TECH 2 Digital Video Technology 2/Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2	TV PRO TE@7 7 G								
8201430	DIGITAL VIDEO TECH 3 Digital Video Technology 3/Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2	TV PRO TE@7 7 G								
8201440	DIGITAL VIDEO TECH 4 Digital Video Technology 4/Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2	TV PRO TE@7 7 G								
8201450	DIGITAL VIDEO TECH 5 Digital Video Technology 5/Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2	TV PRO TE@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
8201460	DIGITAL VIDEO TECH 6 Digital Video Technology 6/Level 3	9-12	/Y PA	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
K100400	DIGITAL VIDEO TECH Digital Video Technology	30, 31	/		
RTV0015	DIGITAL VIDEOGRAPHY Digital Videography	30, 31	/Y PA	3.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
RTV0016	DIGITAL AV TECH Digital Audio-Video Technology	30, 31	/Y PA	2.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
RTV0017	DIGITAL VIDEO DIRECT Digital Video Direction and Production	30, 31	/Y PA	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
K200200	STAGE PRODUCTION Stage Production	30, 31	/		
TPA0390	STAGE PROD ASST Stage Production Assistant	30, 31	/Y	1.0	BLDG CONS@7 7 G ELECTRICA@7 7 G TEC CONST@7 7 G
TPA0391	STAGE PROD TECH Stage Production Technician	30, 31	/Y	1.0	ENG&TEC ED1 @2 BLDG CONS@7 7 G ELECTRICA@7 7 G TEC CONST@7 7 G ENG&TEC ED1 @2
8718100	3-D ANIMATION TECH 3-D Animation Technology	9-12	/		
8718110	3-D ANIMATION TECH 1 3-D Animation Technology 1/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G
8718120	3-D ANIMATION TECH 2 3-D Animation Technology 2/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G
8718130	3-D ANIMATION TECH 3 3-D Animation Technology 3/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G
8718140	3-D ANIMATION TECH 4 3-D Animation Technology 4/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						COURSES MEETING	SUBJECT AREA
8718150	3-D ANIMATION TECH 5 3-D Animation Technology 5/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G		
8718160	3-D ANIMATION TECH 6 3-D Animation Technology 6/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G		
8718170	3-D ANIMATION TECH 7 3-D Animation Technology 7/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G		
I480200	3-D ANIMATION TECH 3-D Animation Technology	30, 31	/				
DIG0060	3-D ANI PROD ASST 3-D Animation Production Assistant	30, 31	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G		
DIG0061	MODELER Modeler	30, 31	/Y PA	2.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G		
DIG0062	TEXTURE ARTIST/RIG Texture Artist/Rigger	30, 31	/Y PA	2.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G		
DIG0063	ANI/MOTION CAP TECH Animation/Motion Capture Technician	30, 31	/Y PA	2.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G		
JOURNALISM & BROADCASTING CAREER PATH (ARPB)							
8203000	FDNS OF JOURNALISM Foundations of Journalism/Level 2	9-12	/Y PA	1.0	ENGLISH MG ENG	1 C	JOURNALISM 1

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT MEETING AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						ENGLISH	TECHNICAL
^a8771100	a JOURNALISM	9-12	/				
1006300	Journalism JOURN 1 Journalism 1		/Y PA	1.0		ENGLISH 1 JOURNALIS@1 MG ENG C	
8771110	MEDIA PRODUCTION Media Production/Level 2	9-12	/Y PA	1.0		TV PRO TE@7 7 G PHOTOG @7 7 G COMM ART @7 7 G MG ENG SC BUS ED \$1	
8209510	DIGITAL DESIGN 1 Digital Design 1/Level 3	9-12	/Y PA	1.0		ENGLISH 1 @2 @4 BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 @2 MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 ELECT DP @7 R ENG&TEC ED1 @2	
9001110	FOUND OF WEB DESIGN Foundations of Web Design/Level 3	9-12	/Y PA	1.0		BUS ED 1 @2 VOE @7 TC COOP E@7 BUS DP @7 G ELECT DP @7 G CLERICAL @7 G SECRETAR @7 G TEC ELEC \$7 G COMPU SCI 6 @2 COMM ART @7 7 G WEB DEV 7 G	
8771101	JOURNAL MULTIMEDIA Journalism and Multimedia	9-12	/				
8771110	MEDIA PRODUCTION Media Production/Level 2	9-12	/Y PA	1.0		TV PRO TE@7 7 G PHOTOG @7 7 G COMM ART @7 7 G MG ENG SC BUS ED \$1	
8209510	DIGITAL DESIGN 1 Digital Design 1/Level 3	9-12	/Y PA	1.0		ENGLISH 1 @2 @4 BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 @2 MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 ELECT DP @7 R ENG&TEC ED1 @2	
8203001	PHOTOJOURNALISM Photojournalism/Level 2	9-12	/Y PA	1.0		ENGLISH 1 PHOTOG 7 G	JOURNALISM 1 BUS ED 1

## 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			
8201500	TV PRODUCTION TECH Television Production Technology	9-12	/			
8201510	TV PRODUCTION TECH 1 Television Production Technology 1/ Level 2	9-12	/Y	PA	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
8201520	TV PRODUCTION TECH 2 Television Production Technology 2/ Level 2	9-12	/Y	PA	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
8201530	TV PRODUCTION TECH 3 Television Production Technology 3/ Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
8201540	TV PRODUCTION TECH 4 Television Production Technology 4/ Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
8201550	TV PRODUCTION TECH 5 Television Production Technology 5/ Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
8201560	TV PRODUCTION TECH 6 Television Production Technology 6/ Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
8201570	TV PRODUCTION TECH 7 Television Production Technology 7/ Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
8201580	TV PRODUCTION TECH 8 Television Production Technology 8/ Level 3	9-12	/Y	PA	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
K300300	TV PRODUCTION TECH Television Production Technology	30, 31	/			
RTT0514	STUDIO ASSISTANT Studio Assistant	30, 31	/Y	PA	3.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
RTT0516	STUDIO TECHNICIAN Studio Technician	30, 31	/Y	PA	3.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
RTT0109	TV PRODUCTION OPS Television Production Operations	30, 31	/Y	PA	2.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1
PRINTING TECHNOLOGY CAREER PATH (ARPD)						
I480205	DIGITAL PRINT TECH Digital Printing Technology	30, 31	/			
GRA0020	DIG PUBLISH ASST 1 Digital Publishing Assistant 1	30, 31	/Y		1.5	PRINTING @7 7 G
GRA0021	DIG PUBLISH ASST 2 Digital Publishing Assistant 2	30, 31	/Y		1.5	PRINTING @7 7 G
GRA0022	DESKTOP PUB SPEC 1 Desktop Publishing Specialist 1	30, 31	/Y		1.5	PRINTING @7 7 G
GRA0023	DESKTOP PUB SPEC 2 Desktop Publishing Specialist 2	30, 31	/Y		1.5	PRINTING @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
8230100	GRAPHIC COMM&PRINT Graphic Communications and Printing Technology	9-12	/		
8230110	INTRO TO PRINT TECH Introduction to Printing Technology /Level 2	9-12	/Y	1.0	PRINTING @7 7 G
8230120	BASIC OFFSET PRESS Basic Offset Press Operations/Level 2	9-12	/Y	1.0	PRINTING @7 7 G
8230130	BASIC FIN & BINDERY Basic Finishing and Bindery Operations/Level 2	9-12	/Y	1.0	PRINTING @7 7 G
8230140	DIG PROD PRINT OPS Digital Production Printing Operations/Level 3	9-12	/Y PA	1.0	PRINTING @7 7 G
8230150	DIG IMAGING & TYPOG Digital Imaging and Typography/ Level 3	9-12	/Y	1.0	PRINTING @7 7 G
8230160	PAGE LAYOUT & SCAN Page Layout and Scanning Operations /Level 3	9-12	/Y PA	1.0	PRINTING @7 7 G
K300100	GRAPHIC COMM & PRINT Graphic Communications and Printing Technology	30, 31	/		
GRA0041	PRINT & GRAPH COMM Printing and Graphic Communications	30, 31	/Y PA	3.0	PRINTING @7 7 G
GRA0042	DIGITAL PROD PRINT Digital Production Printing	30, 31	/Y PA	1.0	PRINTING @7 7 G
GRA0017	DIGITAL PREPRESS OPS Digital Prepress Operations	30, 31	/Y PA	3.0	PRINTING @7 7 G
GRA0045	OFFSET PRINTING TECH Offset Printing Technology	30, 31	/Y	3.0	PRINTING @7 7 G
GRA0046	FIN & DIST PROCESSES Finishing and Distribution Processes	30, 31	/Y	1.0	PRINTING @7 7 G
----- TELECOMMUNICATIONS CAREER PATH (ARPE) -----					
8730200	TELECOMM TECHNOLOGY Telecommunications Technology	9-12	/		
8730210	TELECOM TECHNOLOGY 1 Telecommunications Technology 1/ Level 2	9-12	/Y	1.0	COMP SVC 7 G ELECTRICA@7 7 G ELECTRONI@7 7 G TELCOM 7 G
8730220	TELECOM TECHNOLOGY 2 Telecommunications Technology 2/ Level 2	9-12	/Y	1.0	COMP SVC 7 G ELECTRICA@7 7 G ELECTRONI@7 7 G TELCOM 7 G
8730230	TELECOM TECHNOLOGY 3 Telecommunications Technology 3/ Level 2	9-12	/Y	1.0	COMP SVC 7 G ELECTRICA@7 7 G ELECTRONI@7 7 G TELCOM 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		
8730240	TELECOM TECHNOLOGY 4 Telecommunications Technology 4/ Level 2	9-12	/Y	1.0	COMP SVC 7	G	
					ELECTRICA@7	7	G
					ELECTRONI@7	7	G
					TELCOM	7	G
VISUAL ARTS CAREER PATH (ARPF)							
8718000	COMMERCIAL ART TECH Commercial Art Technology	9-12	/				
8718010	COMMERCIAL ART TEC 1 Commercial Art Technology 1/Level 2	9-12	/Y	PA	1.0	COMM ART @7	7 G
8718020	COMMERCIAL ART TEC 2 Commercial Art Technology 2/Level 2	9-12	/Y	PA	1.0	GRAPH COMM7	G
8718030	COMMERCIAL ART TEC 3 Commercial Art Technology 3/Level 2	9-12	/Y	PA	1.0	COMM ART @7	7 G
8718040	COMMERCIAL ART TEC 4 Commercial Art Technology 4/Level 2	9-12	/Y	PA	1.0	GRAPH COMM7	G
8718050	COMMERCIAL ART TEC 5 Commercial Art Technology 5/Level 2	9-12	/Y	PA	1.0	COMM ART @7	7 G
8718060	COMMERCIAL ART TEC 6 Commercial Art Technology 6/Level 2	9-12	/Y	PA	1.0	GRAPH COMM7	G
8718070	COMMERCIAL ART 7 Commercial Art Technology 7/Level 2	9-12	/Y	PA	1.0	COMM ART @7	7 G
8718080	COMMERCIAL ART 8 Commercial Art Technology 8/Level 2	9-12	/Y	PA	1.0	GRAPH COMM7	G
8718090	COMMERCIAL ART 9 Commercial Art Technology 9/Level 3	9-12	/Y	PA	1.0	COMM ART @7	7 G
8718091	COMMERCIAL ART 10 Commercial Art Technology 10/Level 3	9-12	/Y	PA	1.0	GRAPH COMM7	G
I480203	COMMERCIAL ART TECH Commercial Art Technology	30, 31	/				
GRA0036	GRAPHIC DESIGNER Graphic Designer	30, 31	/Y	PA	3.0	COMM ART @7	7 G
GRA0037	DIGITAL DESIGNER Digital Designer	30, 31	/Y	PA	3.0	GRAPH COMM7	G
GRA0038	PRINT MEDIA ARTIST Print Media Artist	30, 31	/Y	PA	2.0	COMM ART @7	7 G
GRA0039	WEB DESIGNER Web Designer	30, 31	/Y	PA	2.0	GRAPH COMM7	G
8772000	CMCL PHOTO TECH Commercial Photography Technology	9-12	/				
8772010	CMCL PHOTO TECH 1 Commercial Photography Technology 1 /Level 2	9-12	/Y	PA	1.0	PHOTOG @7	7 G
8772020	CMCL PHOTO TECH 2 Commercial Photography Technology 2 /Level 2	9-12	/Y	PA	1.0	PHOTOG @7	7 G

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8772030	CMCL PHOTO TECH 3 Commercial Photography Technology 3 /Level 2	9-12	/Y PA	1.0	PHOTOG @7 7 G
8772040	CMCL PHOTO TECH 4 Commercial Photography Technology 4 /Level 2	9-12	/Y PA	1.0	PHOTOG @7 7 G
8772050	CMCL PHOTO TECH 5 Commercial Photography Technology 5 /Level 2	9-12	/Y PA	1.0	PHOTOG @7 7 G
8772060	CMCL PHOTO TECH 6 Commercial Photography Technology 6 /Level 2	9-12	/Y PA	1.0	PHOTOG @7 7 G
8772070	CMCL PHOTO TECH 7 Commercial Photography Technology 7 /Level 2	9-12	/Y PA	1.0	PHOTOG @7 7 G
8772080	CMCL PHOTO TECH 8 Commercial Photography Technology 8 /Level 2	9-12	/Y PA	1.0	PHOTOG @7 7 G
8772090	CMCL PHOTO TECH 9 Commercial Photography Technology 9 /Level 2	9-12	/Y PA	1.0	PHOTOG @7 7 G
8772091	CMCL PHOTO TECH 10 Commercial Photography Technology 10 /Level 2	9-12	/Y PA	1.0	PHOTOG @7 7 G
8772092	CMCL PHOTO TECH 11 Commercial Photography Technology 11 /Level 2	9-12	/Y PA	1.0	PHOTOG @7 7 G
K610100	CMCL PHOTO TECH 1 Commercial Photography Technology 1	30, 31	/		
PGY0180	PHOTO IMAGING SPEC 1 Photographic Imaging Specialist 1	30, 31	/Y PA	2.0	PHOTOG @7 7 G
PGY0181	PHOTO IMAGING SPEC 2 Photographic Imaging Specialist 2	30, 31	/Y PA	2.0	PHOTOG @7 7 G
PGY0182	PHOTO SPEC/LAB TECH Photography Specialist/Lab Technician	30, 31	/Y PA	1.0	PHOTOG @7 7 G
K610200	CMCL PHOTO TECH 2 Commercial Photography Technology 2	30, 31	/		
PGY0183	PORTRAIT PHOTO 1 Portrait Photographer 1	30, 31	/Y PA	1.5	PHOTOG @7 7 G
PGY0184	PORTRAIT PHOTO 2 Portrait Photographer 2	30, 31	/Y PA	1.5	PHOTOG @7 7 G
PGY0185	COMM PHOTOGRAPHER Commercial Photographer	30, 31	/Y PA	3.0	PHOTOG @7 7 G

CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER  
COURSES MEETING  
SUBJECT AREA

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8209600	DIGITAL DESIGN Digital Design	9-12 /			
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12 /Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
8209510	DIGITAL DESIGN 1 Digital Design 1/Level 3	9-12 /Y	PA	1.0	BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 @2 MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 ELECT DP @7 R ENG&TEC ED1 @2
8209520	DIGITAL DESIGN 2 Digital Design 2/Level 3	9-12 /Y	PA	1.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 @2 ELECT DP @7 %G PRINTING @7 7 G SECRETAR 7 G TC COOP E@7 ENG&TEC ED1 @2 TEC ELEC \$7 G VOE @7 MANAG SUPV7 G
8209530	DIGITAL DESIGN 3 Digital Design 3/Level 3	9-12 /Y	PA	1.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 @2 ELECT DP @7 %G PRINTING @7 7 G SECRETAR 7 G TC COOP E@7 ENG&TEC ED1 @2 TEC ELEC \$7 G VOE @7 MANAG SUPV7 G

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PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT MEETING GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES	
						MEETING	AREA
8209540	DIGITAL DESIGN 4 Digital Design 4/Level 3	9-12	/Y PA	1.0		BUS DP	@7 %G
						BUS ED	1 @2
						CLERICAL	@7 7 G
						COMM ART	@7 7 G
						COMPU SCI	6 @2
						ELECT DP	@7 %G
						PRINTING	@7 7 G
						SECRETAR	7 G
						TC COOP E	@7
						ENG&TEC ED1	@2
						TEC ELEC	\$7 G
VOE	@7						
MANAG SUPV7	G						
8209550	DIGITAL DESIGN 5 Digital Design 5/Level 3	9-12	/Y PA	1.0		BUS DP	@7 %G
						BUS ED	1 @2
						CLERICAL	@7 7 G
						COMM ART	@7 7 G
						COMPU SCI	6 @2
						ELECT DP	@7 %G
						PRINTING	@7 7 G
						SECRETAR	7 G
						TC COOP E	@7
						ENG&TEC ED1	@2
						TEC ELEC	\$7 G
VOE	@7						
MANAG SUPV7	G						
B070600	DIGITAL DESIGN Digital Design	30, 31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y PA	1.0		ACCTING	@7 7 G
						ADMIN ASST7	G
						BUS ED	1 @2
						COMM ART	@7 7 G
						COMP PROG	7 G
						COMPU SCI	6
						INFO TECH	7 G
						MANAG SUPV7	G
						BUS DP	@7 %G
						BUS ED	1 @2
						CLERICAL	@7 7 G
COMM ART	@7 7 G						
COMPU SCI	6 @2						
ELECT DP	@7 %G						
PRINTING	@7 7 G						
SECRETAR	7 G						
TC COOP E	@7						
ENG&TEC ED1	@2						
TEC ELEC	\$7 G						
VOE	@7						
MANAG SUPV7	G						
GRA0024	PRODUCTION ASST Production Assistant	30, 31	/Y PA	1.0		BUS DP	@7 %G
						BUS ED	1 @2
						CLERICAL	@7 7 G
						COMM ART	@7 7 G
						COMPU SCI	6 @2
						ELECT DP	@7 %G
						PRINTING	@7 7 G
						SECRETAR	7 G
						TC COOP E	@7
						ENG&TEC ED1	@2
						TEC ELEC	\$7 G
VOE	@7						
MANAG SUPV7	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	
GRA0025	DIGITAL ASST DSN Digital Assistant Designer	30, 31	/Y PA	2.0		
						BUS DP @7 %G
						BUS ED 1 @2
						CLERICAL @7 7 G
						COMM ART @7 7 G
						COMPU SCI 6 @2
						ELECT DP @7 %G
						PRINTING @7 7 G
						SECRETAR 7 G
						TC COOP E@7
						ENG&TEC ED1 @2
						TEC ELEC \$7 G
						VOE @7
GRA0026	GRAPHIC DESIGNER Graphic Designer	30, 31	/Y PA	2.0		
						MANAG SUPV7 G
						BUS DP @7 %G
						BUS ED 1 @2
						CLERICAL @7 7 G
						COMM ART @7 7 G
						COMPU SCI 6 @2
						ELECT DP @7 %G
						PRINTING @7 7 G
						SECRETAR 7 G
						TC COOP E@7
						ENG&TEC ED1 @2
						TEC ELEC \$7 G
VOE @7						
GRA0027	MEDIA DESIGNER Media Designer	30, 31	/Y PA	2.0		
						MANAG SUPV7 G
						BUS DP @7 %G
						BUS ED 1 @2
						CLERICAL @7 7 G
						COMM ART @7 7 G
						COMPU SCI 6 @2
						ELECT DP @7 %G
						PRINTING @7 7 G
						SECRETAR 7 G
						TC COOP E@7
						ENG&TEC ED1 @2
						TEC ELEC \$7 G
VOE @7						
K700100	DIGITAL DESIGN 1 Digital Design 1	30, 31	/			
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y PA	1.0		
						ACCTING @7 7 G
						ADMIN ASST7 G
						BUS ED 1 @2
						COMM ART @7 7 G
						COMP PROG 7 G
						COMPU SCI 6
INFO TECH 7 G						
MANAG SUPV7 G						

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
GRA0024	PRODUCTION ASST Production Assistant	30, 31	/Y PA	1.0		BUS DP @7 %G	
						BUS ED 1 @2	
						CLERICAL @7 7 G	
						COMM ART @7 7 G	
						COMPU SCI 6 @2	
						ELECT DP @7 %G	
						PRINTING @7 7 G	
						SECRETAR 7 G	
						TC COOP E@7	
						ENG&TEC ED1 @2	
						TEC ELEC \$7 G	
VOE @7							
MANAG SUPV7 G							
GRA0025	DIGITAL ASST DSN Digital Assistant Designer	30, 31	/Y PA	2.0		BUS DP @7 %G	
						BUS ED 1 @2	
						CLERICAL @7 7 G	
						COMM ART @7 7 G	
						COMPU SCI 6 @2	
						ELECT DP @7 %G	
						PRINTING @7 7 G	
						SECRETAR 7 G	
						TC COOP E@7	
						ENG&TEC ED1 @2	
						TEC ELEC \$7 G	
VOE @7							
MANAG SUPV7 G							
K700200	DIGITAL DESIGN 2 Digital Design 2	30, 31	/				
GRA0026	GRAPHIC DESIGNER Graphic Designer	30, 31	/Y PA	2.0		BUS DP @7 %G	
						BUS ED 1 @2	
						CLERICAL @7 7 G	
						COMM ART @7 7 G	
						COMPU SCI 6 @2	
						ELECT DP @7 %G	
						PRINTING @7 7 G	
						SECRETAR 7 G	
						TC COOP E@7	
						ENG&TEC ED1 @2	
						TEC ELEC \$7 G	
VOE @7							
MANAG SUPV7 G							

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
GRA0027	MEDIA DESIGNER Media Designer	30, 31	/Y PA	2.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 @2 ELECT DP @7 %G PRINTING @7 7 G SECRETAR 7 G TC COOP E@7 ENG&TEC ED1 @2 TEC ELEC \$7 G VOE @7 MANAG SUPV7 G
8506400	FASH TECH & DSN SERS Fashion Technology and Design Services	9-12	/		
8506405	DESIGN SERVS CORE Design Services Core/Level 2	9-12	/Y PA	1.0	APPRL MFGc7 @7 G FAM CON SC1 FASH TECH 7 G HME EC OCc7 ENG&TEC ED1 @2 INT DES 7 G
8506410	PRIN FASH DESIGN Principles of Fashion Design Services /Level 2	9-12	/Y PA	1.0	APPRL MFGc7 @7 G FAM CON SC1 FASH TECH 7 G HME EC OCc7 ENG&TEC ED1 @2 TAILORINGc7 INT DES 7 G
8506420	PATTERN DESIGN TECNQ Pattern Design Techniques/Level 3	9-12	/Y PA	1.0	APPRL MFGc7 @7 G FAM CON SC1 FASH TECH 7 G HME EC OCc7 TAILORINGc7 ENG&TEC ED1 @2 INT DES 7 G
8506430	FASH DESIGN SPEC Fashion Design Specialist/Level 3	9-12	/Y PA	1.0	APPRL MFGc7 @7 G FAM CON SC1 FASH TECH 7 G HME EC OCc7 TAILORINGc7 1 ENG&TEC E@2 INT DES 7 G
K500100	FASHION TECH/PROD Fashion Technology and Production Services	30, 31	/		
CTE0000	GARMENT FAB SPEC Garment Fabrication Specialist	30, 31	/Y	1.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2

## 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
CTE0001	INDUS SEAMSTRESS Industrial Seamstress	30, 31	/Y	1.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0002	INTRO PATTERNMAKING Introduction to Patternmaking and Entrepreneurship	30, 31	/Y	1.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0003	ALTERATIONS SPEC Alterations Specialist	30, 31	/Y	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0004	TAILOR FOR MENSWEAR Tailor for Menswear	30, 31	/Y	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0005	FORMALWEAR SPEC Formalwear Specialist	30, 31	/Y	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0006	COSTUME SPECIALIST Costume Specialist	30, 31	/Y	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0007	ACCESSORIES SPEC Accessories Specialist	30, 31	/Y	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0008	INTIMATE APPAREL SPE Intimate Apparel Specialist	30, 31	/Y	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0010	EMBROIDERER Embroiderer	30, 31	/Y	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0011	EMBROIDERY DIGITIZER Embroidery Digitizer	30, 31	/Y	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0012	CAD PATTERNMAKER I CAD Patternmaker I	30, 31	/Y	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0013	CAD PATTERNMAKER II CAD Patternmaker II	30, 31	/Y	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2

## 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	
V200600	INT DECORATING SERS Interior Decorating Services	30, 31	/				
HEV0412	SALES/COLOR CONSULT Sales/Color Consultant	30, 31	/Y	1.0	FAM CON SC1 HME EC OCc7 @7 G INT DEC 7 G		
HEV0452	FURN ARR/SPACE PLAN Furniture Arranger/Space Planner	30, 31	/Y	2.0	FAM CON SC1 HME EC OCc7 @7 G INT DEC 7 G		
HEV0453	MERCH STYL/VIS DISP Merchandise Stylist/Visual Displayer	30, 31	/Y	2.0	FAM CON SC1 HME EC OCc7 @7 G INT DEC 7 G		
HEV0413	INT DEC/INT DEC CONS Interior Decorator/Interior Decorating Consultant	30, 31	/Y	1.0	FAM CON SC1 HME EC OCc7 @7 G INT DEC 7 G		
8506500	INTERIOR DESIGN SERS Interior Design Services	9-12	/				
8506405	DESIGN SERVS CORE Design Services Core/Level 2	9-12	/Y	PA	1.0	APPRL MFGc7 @7 G FAM CON SC1 FASH TECH 7 G HME EC OCc7 ENG&TEC ED1 @2 INT DES 7 G	
8506540	PRIN INT DESIGN SERV Principles of Interior Design Services/Level 2	9-12	/Y	PA	1.0	APPRL MFGc7 @7 G FAM CON SC1 HME EC OCc7 INT DES 7 G ENG&TEC ED1 @2 TAILORINGc7 FASH TECH 7 G	
8506550	INT DESIGN TECNQS Interior Design Techniques/Level 2	9-12	/Y	PA	1.0	APPRL MFGc7 @7 G FAM CON SC1 HME EC OCc7 INT DES 7 G ENG&TEC ED1 @2 TAILORINGc7 FASH TECH 7 G	
8506560	INTERIOR DESIGN SPEC Interior Design Specialist/Level 3	9-12	/Y	PA	1.0	APPRL MFGc7 @7 G FAM CON SC1 HME EC OCc7 INT DES 7 G ENG&TEC ED1 @2 TAILORINGc7 FASH TECH 7 G	
GENERAL PROGRAMS							
8200430	ARTS, A/V OJT Arts, A/V Technology and Communication Cooperative Education - OJT	9-12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					COURSES MEETING	SUBJECT AREA	
8200400	ARTS, A/V DIR STUDY Arts, A/V Technology and Communication Directed Study	11-12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
8209100	CAREER IN FASH & INT Careers in Fashion and Interior Design	6-8	/S		FAM CON SCI	1	
8209200	CAR IN FASH & INT CP Careers in Fashion and Interior Design and Career Planning	6-8	/S		FAM CON SCI	1	
8209310	CAR IN FASH DESIGN Careers in Fashion Design	6-8	/				
8500380	FABR CONSTRUCTION Fabric Construction/Level 2	9-12	/S	PA	0.5	FAM CON SCI	1
8260300	FUND OF A/V, PRINT TE Fundamentals of A/V and Print Technology	6-8	/S		BUS ED ENG&TEC ED	1 @2 1 @2	PRINTING @7 7 G TV PRO TEC @7 7 G
8260400	FUND OF TELECOMM Fundamentals of Telecommunications	6-8	/S		COMP SVC ELECTRONIC TELCOM	7 G @7 7 G 7 G	ELECTRICAL @7 7 G TV PRO TEC @7 7 G
8260500	FUND OF VIS & PA Fundamentals of Visual and Performing Arts	6-8	/S		BUS DP CLERICAL COMPU SCI GRAPH ARTS MKTG PHOTOG SECRETAR ENG&TEC ED VOE	@7 %7 %G @7 7 G 6 @2 4 1 @7 7 G 7 G 1 @2 @7	BUS ED 1 @2 COMM ART @7 7 G ELECT DP @7 %7 %G JOURNALISM @1 MG ENG C PRINTING @7 7 G TEC ELEC @7 TV PRO TEC @7 7 G
8209350	INTRO ARTS, A/V Introduction to Arts, A/V Technology and Communication	6-8	/S		BUS ED COMPU SCI PRINTING TC COOP ED TV PRO TEC	1 @2 6 @2 @7 7 G @7 @7 7 G	COMM ART @7 7 G MKTG 1 SECRETAR 7 G ENG&TEC ED 1 @2 VOE @7
8209360	INTRO ARTS, A/V & CP Introduction to Arts, A/V Technology and Communication/Career Planning	6-8	/S		BUS ED COMPU SCI PRINTING TC COOP ED TV PRO TEC	1 @2 6 @2 @7 7 G @7 @7 7 G	COMM ART @7 7 G MKTG 1 SECRETAR 7 G ENG&TEC ED 1 @2 VOE @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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION

## APPRENTICESHIP PROGRAMS

I47034R	TELECOM TECH - APPR Telecommunications Technology - Apprenticeship	30, 31	/		
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## | BUSINESS MANAGEMENT &amp; ADMINISTRATIVE CAREER CLUSTER |

## MANAGEMENT CAREER PATH (BAPA)

8301100	BUS MGMT & ANALYSIS Business Management and Analysis	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0
					ACCTING @7 7 G
					BANK FINC@7 7 G
					BUS ED 1 @2
					COMM ART @7 7 G
					COMP PROG 7 G
					COMPU SCI 6
					CYBER TECH7 G
					INFO TECH 7 G
					MANAG SUPV7 G
					MKTG 1 @2
					MKTG MGMT 7 G
					WEB DEV 7 G
8215120	BUSINESS ENTREP PRIN Business and Entrepreneurship Principles/Level 3	9-12	/Y		1.0
					ACCTING @7 7 G
					BUS ED 1 @2
					MANAG SUPV7 G
8203310	ACCOUNTING APPS 1 Accounting Applications 1/Level 3	9-12	/Y		1.0
					ACCTING @7 7 G
					BOOKKEEPI@4 @7 7 G
					BUS ED 1 @2
					TC COOP E@7
					VOE @7
					MANAG SUP@7 7 G
					MKTG 1 @2
					MKTG MGMT 7 G
					BANK FINC@7 7 G
8301110	MGMT & HUMAN RESOURC Management and Human Resources/ Level 3	9-12	/Y		1.0
					ACCTING @7 7 G
					BUS ED 1 @2
					MANAG SUPV7 G
8301120	BUSINESS ANALYSIS Business Analysis/ Level 3	9-12	/Y		1.0
					ACCTING @7 7 G
					BUS ED 1 @2
					MANAG SUPV7 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	SUBJECT MEETING GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8215130	LEG ASPECTS BUSINESS Legal Aspects of Business/Level 3	9-12	/Y	1.0	ACCTING @7 7 G BUS ED 1 @2 MANAG SUPV7 G CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7
B060200	BUS MGMT & ANALYSIS Business Management and Analysis	30, 31	/		
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G
MNA0080	SUPR/MANAGER TRAINEE Supervisor/Manager Trainee	30, 31	/Y	2.0	ACCTING @7 7 G BOOKKEEPI@4 @7 G BUS ED 1 @2 MANAG SUPV7 G TC COOP E@7 VOE @7
MNA0082	SUPERVISOR Supervisor	30, 31	/Y	3.0	ACCTING @7 7 G BOOKKEEPI@4 @7 G BUS ED 1 @2 MANAG SUPV7 G TC COOP E@7 VOE @7
8217100	PROMOTIONAL ENT Promotional Enterprise	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						COURSES MEETING	SUBJECT AREA
8217110	CUS PROMO LAYOUT DSN Custom Promotional Layout Design/ Level 2	9-12	/Y PA	1.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7		
8217120	PROMO DESIGN MGMT Promotional Design Management/Level 2	9-12	/Y	1.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7		
8217130	CUS PROMO S&D MGMT Custom Promotional Sales and Distribution Management/Level 2	9-12	/Y PA	1.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7		
8217140	PROMO BUS MGMT&SUPR1 Promotional Business Management and Supervision 1/Level 2	9-12	/Y	1.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7		
8217150	PROMO BUS MGMT&SUPR2 Promotional Business Management and Supervision 2/Level 2	9-12	/Y	1.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7		

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8217160	LEG ASP OF PROMO IND Legal Aspects of Promotional Industry Ownership/Level 2	9-12 /Y		1.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7
----- BUSINESS FINANCIAL MANAGEMENT CAREER PATH (BAPB) -----					
8302100	ACCOUNTING APPS Accounting Applications	9-12 /			
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12 /Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
8203310	ACCOUNTING APPS 1 Accounting Applications 1/Level 3	9-12 /Y		1.0	ACCTING @7 7 G BOOKKEEPI@4 @7 7 G BUS ED 1 @2 TC COOP E@7 VOE @7 MANAG SUP@7 7 G MKTG 1 @2 MKTG MGMT 7 G
8203320	ACCOUNTING APPS 2 Accounting Applications 2/Level 3	9-12 /Y		1.0	BANK FINC@7 7 G ACCTING @7 7 G BOOKKEEPI@4 @7 7 G BUS ED 1 @2 TC COOP E@7 VOE @7
8203330	ACCOUNTING APPS 3 Accounting Applications 3/Level 3	9-12 /Y		1.0	ACCTING @7 7 G BOOKKEEPI@4 @7 7 G BUS ED 1 @2 TC COOP E@7 VOE @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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING			CERTIFICATION
					COURSES MEETING	COURSES MEETING	COURSES MEETING	
B070110	ACCOUNTING OPERATION Accounting Operations	30, 31	/					
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y	PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G		
AC00040	ACCOUNTING CLERK Accounting Clerk	30, 31	/Y		2.0	ACCTING @7 7 G BOOKKEEPI@4 @7 7 G BUS ED 1 @2 TC COOP E@7 VOE @7		
AC00041	ACCOUNTING ASSOCIATE Accounting Associate	30, 31	/Y		2.0	ACCTING @7 7 G BOOKKEEPI@4 @7 7 G BUS ED 1 @2 TC COOP E@7 VOE @7		
AC00042	ACCOUNTING ASSISTANT Accounting Assistant	30, 31	/Y		1.0	ACCTING @7 7 G BOOKKEEPI@4 @7 7 G BUS ED 1 @2 TC COOP E@7 VOE @7		

## OPERATIONS MANAGEMENT (BAPC)

8300600	RES PROPERTY MGMT Residential Property Management	9-12	/					
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G		
8300610	RES PROPERTY MGMT 1 Residential Property Management 1/ Level 2	9-12	/Y		1.0	BUS ED 1 @2 BUS DP @7		
8300620	RES PROPERTY MGMT 2 Residential Property Management 2/ Level 2	9-12	/Y		1.0	BUS ED 1 @2 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8200420	BUSINESS COOP MGMT Business Cooperative Education Organization and Management/Level 2	9-12	/M	MULTIPLE	ANY BUSINESS ED/TC COOP ED E G BUS ED 1 @2 TC COOP E@7 VOE @7
BUSINESS ANALYSIS CAREER PATH (BAPD)					
8216100	INTERNATIONAL BUS International Business	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
8203310	ACCOUNTING APPS 1 Accounting Applications 1/Level 3	9-12	/Y	1.0	ACCTING @7 7 G BOOKKEEPI@4 @7 7 G BUS ED 1 @2 TC COOP E@7 VOE @7 MANAG SUP@7 7 G MKTG 1 @2 MKTG MGMT 7 G BANK FINC@7 7 G
8216110	INTL BUSINESS SYSTEM International Business Systems/ Level 2	9-12	/Y	1.0	BOOKKEEPI@4 @7 7 G BUS ED 1 @2 MANAG SUPV7 G TC COOP E@7 VOE @7
8216120	INTL FIN & LAW International Finance and Law/Level 3	9-12	/Y	1.0	BOOKKEEPI@4 @7 7 G BUS ED 1 @2 MANAG SUPV7 G TC COOP E@7 VOE @7
8216130	BUSINESS INTERNSHIP Business Internship/Level 2	9-12	/Y	1.0	BOOKKEEPI@4 @7 7 G BUS ED 1 @2 MANAG SUPV7 G TC COOP E@7 VOE @7
MARKETING & COMMUNICATIONS CAREER PATH (BAPE)					
8200300	ELEC BUSINESS ENTERP Electronic Business Enterprise	9-12	/		

## 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	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
8200340	INTRO TO E-COMMERCE Introduction to E-Commerce/Level 2	9-12	/Y PA	1.0	BUS DP @7 BUS ED 1 @2 ELECT DP @7 %G
8200350	E-COMMERCE INTERP E-Commerce Entrepreneur/Level 2	9-12	/Y	1.0	BUS DP @7 BUS ED 1 @2 ELECT DP @7 %G
8200360	E-COM SYS ANL & DSN E-Commerce Systems Analysis and Design/Level 2	9-12	/Y	1.0	BUS DP @7 BUS ED 1 @2 ELECT DP @7 %G
ADMINISTRATIVE & INFORMATION SUPPORT CAREER PATH (BAPF)					
8212500	ADMIN OFFICE SPEC Administrative Office Specialist	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
8212110	ADM OFFICE TECH 1 Administrative Office Technology 1/ Level 2	9-12	/Y	1.0	BUS ED 1 @2 CLERICAL @7 7 G MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 VOE @7
8212120	BUS SOFTWARE APPS 1 Business Software Applications 1/ Level 2	9-12	/Y	1.0	BUS ED 1 @2 CLERICAL @7 7 G MANAG SUP@7 G SECRETAR 7 G TC COOP E@7 VOE @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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						COURSES MEETING	SUBJECT AREA
8209510	DIGITAL DESIGN 1 Digital Design 1/Level 3	9-12	/Y PA	1.0		BUS ED 1 @2	
						CLERICAL @7 7	G
						COMM ART @7 7	G
						COMPU SCI 6 @2	
						MANAG SUPV7	G
						SECRETAR 7	G
						TC COOP E@7	
						ELECT DP @7	R
						ENG&TEC ED1 @2	
8212410	ADM OFFICE TECH 2 Administrative Office Technology 2/ Level 2	9-12	/Y	1.0		BUS ED 1 @2	
						CLERICAL @7 7	G
						MANAG SUPV7	G
						SECRETAR 7	G
						TC COOP E@7	
						VOE @7	
8212420	ADM OFFICE TECH 3 Administrative Office Technology 3/ Level 2	9-12	/Y	1.0		BUS ED 1 @2	
						CLERICAL @7 7	G
						MANAG SUPV7	G
						SECRETAR 7	G
						TC COOP E@7	
						VOE @7	
8212160	BUSINESS SOFTWARE 2 Business Software Applications 2/ Level 2	9-12	/Y	1.0		BUS ED 1 @2	
						CLERICAL @7 7	G
						MANAG SUPV7	G
						SECRETAR 7	G
						TC COOP E@7	
						VOE @7	
B070330	ADMIN OFFICE SPEC Administrative Office Specialist	30, 31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y PA	1.0		ACCTING @7 7	G
						ADMIN ASST7	G
						BUS ED 1 @2	
						COMM ART @7 7	G
						COMP PROG 7	G
						COMPU SCI 6	
						INFO TECH 7	G
						MANAG SUPV7	G
OTA0041	FRONT DESK SPEC Front Desk Specialist	30, 31	/Y	2.0		ADMIN ASST7	G
						BUS ED 1 @2	
						CLERICAL @7 7	G
						MANAG SUPV7	G
						SECRETAR 7	G
						TC COOP E@7	
						VOE @7	
OTA0030	ASST DIG PROD DSN Assistant Digital Production Designer	30, 31	/Y PA	1.0		ADMIN ASST7	G
						BUS ED 1 @2	
						CLERICAL @7 7	G
						MANAG SUPV7	G
						SECRETAR 7	G
						TC COOP E@7	
						VOE @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 GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
OTA0043	ADMIN OFFICE SPEC Administrative Office Specialist	30, 31	/Y	3.0	ADMIN ASST7 G BUS ED 1 @2 CLERICAL @7 7 G MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 VOE @7
8306100	COURT RPT TECHNOLOGY Court Reporting Technology	9-12	/		
8306110	FUND OF COURT REPORT Fundamentals of Court Reporting/ Level 2	9-12	/Y	1.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
B600100	COURT RPT TECHNOLOGY Court Reporting Technology	30, 31	/		
OTA0039	COURT REPORT FUND Court Reporting Fundamentals	30, 31	/Y	1.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
OTA0044	COURT REPORT TECH 1 Court Reporting Technology 1	30, 31	/Y	1.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
OTA0045	COURT REPORT TECH 2 Court Reporting Technology 2	30, 31	/Y	2.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
OTA0046	COURT REPORT TECH 3 Court Reporting Technology 3	30, 31	/Y	1.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
B700600	COURT REPORTING 2 Court Reporting 2	30, 31	/		
OTA0047	COURT RPT SCOPIST 1 Court Reporting Scopist 1	30, 31	/Y	4.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7

CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER  
COURSES MEETING  
SUBJECT AREA

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
B700700	COURT REPORTING 3 Court Reporting 3	30, 31	/		
OTA0048	COURT REPORTER 1 Court Reporter 1	30, 31	/Y	2.5	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
OTA0049	COURT REPORTER 2 Court Reporter 2	30, 31	/Y	2.5	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
OTA0051	COURT REPORTER 3 Court Reporter 3	30, 31	/Y	2.5	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
OTA0052	COURT REPORTER 4 Court Reporter 4	30, 31	/Y	2.5	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
8218100	CUSTOMER ASST TECH Customer Assistance Technology	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
8218010	CUSTOMER ASSIST 1 Customer Assistance 1/Level 2	9-12	/Y	1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7
8218020	CUSTOMER ASSIST 2 Customer Assistance 2/Level 2	9-12	/Y	1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					COURSES MEETING	SUBJECT AREA	
B079100	CUSTOMER ASST TECH Customer Assistance Technology	30, 31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y	PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G	
MNA0083	CUSTOMER CARE REP Customer Care Representative	30, 31	/Y		1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7	
MNA0086	CUSTOMER CARE SPEC Customer Care Specialist	30, 31	/Y		1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7	
8306200	LEGAL ADMIN SPEC Legal Administrative Specialist	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
8215130	LEG ASPECTS BUSINESS Legal Aspects of Business/Level 3	9-12	/Y		1.0	ACCTING @7 7 G BUS ED 1 @2 MANAG SUPV7 G CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7	
8306210	LEGAL STUDIES 1 Legal Studies 1/Level 2	9-12	/Y		1.0	BUS ED 1 @2 MANAG SUPV 7 G TC COOP ED @7	CLERICAL @7 7 G SECRETAR 7 G VOE @7
8306220	LEGAL STUDIES 2 Legal Studies 2/Level 2	9-12	/Y		1.0	BUS ED 1 @2 MANAG SUPV 7 G TC COOP ED @7	CLERICAL @7 7 G SECRETAR 7 G VOE @7
8306230	LEGAL STUDIES 3 Legal Studies 3/Level 2	9-12	/Y		1.0	BUS ED 1 @2 MANAG SUPV 7 G TC COOP ED @7	CLERICAL @7 7 G SECRETAR 7 G VOE @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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		
					CERTIFICATION		
<sup>a</sup> 8212000	<sup>a</sup> LEGAL ADMIN SPEC Legal Administrative Specialist	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
8215130	LEG ASPECTS BUSINESS Legal Aspects of Business/Level 3	9-12	/Y		1.0	ACCTING @7 7 G BUS ED 1 @2 MANAG SUPV7 G CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7	
8212230	LEGAL OFFICE TECH 1 Legal Office Technology 1/Level 2	9-12	/Y		1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7 MANAG SUPV7 G	
8212240	LEGAL OFFICE TECH 2 Legal Office Technology 2/Level 2	9-12	/Y		1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7 MANAG SUPV7 G	
8212250	LEG OFFICE TECH 3 Legal Office Technology 3/Level 2	9-12	/Y		1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7 MANAG SUPV7 G	
B072000	LEGAL ADMIN SPEC Legal Administrative Specialist	30, 31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y	PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT MEETING GRADUATION REQUIREMENTS	CREDIT	COURSES	CERTIFICATION
OTA0041	FRONT DESK SPEC Front Desk Specialist	30, 31	/Y	2.0	ADMIN ASST7 G BUS ED 1 @2 CLERICAL @7 7 G MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 VOE @7	
OTA0042	ADMIN SUPPORT Administrative Support	30, 31	/Y	1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7	
OTA0050	LEGAL ADMIN SPEC Legal Administrative Specialist	30, 31	/Y	3.0	MANAG SUPV7 G BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7 MANAG SUPV7 G	
8212300	MEDICAL ADMIN SPEC Medical Administrative Specialist	9-12	/			
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	1.0	PA ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
8212110	ADM OFFICE TECH 1 Administrative Office Technology 1/ Level 2	9-12	/Y	1.0	BUS ED 1 @2 CLERICAL @7 7 G MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 VOE @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	SUBJECT MEETING AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8212120	BUS SOFTWARE APPS 1 Business Software Applications 1/ Level 2	9-12	/Y	1.0	BUS ED 1 @2 CLERICAL @7 7 G MANAG SUP@7 G SECRETAR 7 G TC COOP E@7 VOE @7
8212201	MEDICAL OFF TECH 1 Medical Office Technology 1/Level 2	9-12	/Y	1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7
8212202	MEDICAL OFF TECH 2 Medical Office Technology 2/Level 2	9-12	/Y	1.0	MANAG SUPV7 G BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7
8212203	MEDICAL OFF TECH 3 Medical Office Technology 3/Level 2	9-12	/Y	1.0	MANAG SUPV7 G BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7
8212204	MED OFF INTERNSHIP Medical Office Internship/Level 2	9-12	/Y	1.0	MANAG SUPV7 G BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7 MANAG SUPV7 G
B070300	MEDICAL ADMIN SPEC Medical Administrative Specialist	30, 31	/		
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G
OTA0041	FRONT DESK SPEC Front Desk Specialist	30, 31	/Y	2.0	ADMIN ASST7 G BUS ED 1 @2 CLERICAL @7 7 G MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 VOE @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	SUBJECT MEETING AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
OTA0631	MEDICAL OFFICE TECH Medical Office Technologist	30, 31	/Y	2.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7 ADMIN ASST7 G MED ASST @7 7 G LAB TECH @7 7 G PRAC NURS@7 7 G REG NURSE 7 G MANAG SUPV7 G	
OTA0651	MEDICAL ADMIN SPEC Medical Administrative Specialist	30, 31	/Y	2.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7 ADMIN ASST7 G MED ASST @7 7 G LAB TECH @7 7 G PRAC NURS@7 7 G REG NURSE 7 G MANAG SUPV7 G	
----- SUPPLEMENTAL PROGRAMS -----						
8500375	BLUEPR PROF SUCCESS Blueprint for Professional Success/ Level 2	9-12	/Y	1.0	AGRICULTUR 1 @2 FAM CON SCI 1 PRAC NURSE @7 %G	BUS ED 1 @2 MKTG 1 @2 ENG&TEC ED 1 @2
B079998	BUSINESS COOP MGMT Business Cooperative Education Organization and Management	30, 31	/M	4.0	ANY BUSINESS ED/TC BUS ED 1 @2 VOE @7	COOP ED E G TC COOP ED @7
8200420	BUSINESS COOP MGMT Business Cooperative Education Organization and Management/Level 2	9-12	/M	MULTIPLE	ANY BUSINESS ED/TC BUS ED 1 @2 VOE @7	COOP ED E G TC COOP ED @7
8200410	BUSINESS COOP ED OJT Business Cooperative Education-OJT	9-12	/M	MULTIPLE	ANY BUSINESS ED G ANY BUSINESS ED/TC BUS ED 1 @2 VOE @7	COOP ED E G TC COOP ED @7
8200100	BUSINESS DIR STUDY Business Education Directed Study	11-12	/M	MULTIPLE	ANY BUSINESS ED G BUS ED 1 @2	
8200110	BUSINESS KEYBOARDING Business Keyboarding	6-8	/S		BUS ED 1 @2 VOE @7	TC COOP ED @7
8200130	BUS KEY & CAR PLAN Business Keyboarding and Career Planning	6-8	/S		BUS ED 1 @2 VOE @7	TC COOP ED @7

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CAREER AND TECHNICAL EDUCATION	
					COURSES MEETING	CERTIFICATION
8200120	BUSINESS LEAD SKLS Business Leadership Skills	6-8	/S	BUS ED VOE	1 @2 @7	TC COOP ED @7
8200520	CPTR APPL BUS 1 Computer Applications in Business 1	6-8	/S	BUS ED TC COOP ED VOE	1 @2 @7 @7	COMPU SCI 6 ENG&TEC ED 1 @2
8200220	CPTR APPL BUS 1 & CP Computer Applications in Business 1 and Career Planning	6-8	/S	BUS ED TC COOP ED VOE	1 @2 @7 @7	COMPU SCI 6 ENG&TEC ED 1 @2
8200210	CPTR APPL BUSINESS 2 Computer Applications in Business 2	6-8	/S	BUS ED TC COOP ED ENG&TEC ED	1 @2 @7 1 @2	COMPU SCI 6 VOE @7
8200211	CPTR APPL BUSINESS 3 Computer Applications in Business 3	6-8	/S	BUS ED COMPU SCI TC COOP ED	1 @2 6 @7	CLERICAL @7 7 G SECRETAR 7 G VOE @7
8200212	CPTR APPL BUSINESS 4 Computer Applications in Business 4	6-8	/S	BUS ED COMPU SCI TC COOP ED	1 @2 6 @7	CLERICAL @7 7 G SECRETAR 7 G VOE @7
8207010	EMERG TECH BUSINESS Emerging Technology in Business/ Level 2	9-12	/Y	1.0 ACCTING BUS DP CLERICAL MANAG SUPV TC COOP ED VOE TEC ELEC	@7 7 G @7 %G @7 7 G @7 %G T G @7 7 G @7 7 G	BOOKKEEPIN @4 @7 7 G BUS ED 1 @2 COMPU SCI 6 SECRETAR 7 G TEC ELEC @7 ELECT DP @7 %G MANAG SUPV 7 G
8370350	INTRO BUSINESS Introduction to Business, Management and Administration	6-8	/S	BUS ED VOE	1 @2 @7	TC COOP ED @7
8370360	INTRO BUSINESS & CP Introduction to Business, Management and Administration/Career Planning	6-8	/S	BUS ED VOE	1 @2 @7	TC COOP ED @7
8299990	BUSINESS ED TRAN Business Education Transfer	9-12	/	NA		
B000000	BUSINESS ED TRAN Business 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
-----    EDUCATION & TRAINING CAREER CLUSTER   -----					
PROFESSIONAL SUPPORT SERVICES CAREER PATH (EDPA) -----					
8909000	PRIN OF TEACHING Principles of Teaching	9-12	/		
8909010	INTRO TEACH PROF Introduction to the Teaching Profession/Level 2	9-12	/Y	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8909020	HUMAN GROWTH/DEV Human Growth and Development/Level 2	9-12	/Y	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8909030	FOUND/CURR & INSTRUC Foundations of Curriculum and Instruction/Level 3	9-12	/Y	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8909040	PRIN TEACHING INTERN Principles of Teaching Internship/ Level 2	9-12	/Y	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
P131299	PRIN OF TEACHING Principles of Teaching	30, 31	/		
EDG0312	SUBSTITUTE TEACHER Substitute Teacher	30, 31	/Y	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
EDG0317	TEACHER ASSISTANT Teacher Assistant	30, 31	/Y	3.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
TEACHING/TRAINING CAREER PATH (EDPC) -----					
V200206	CHILD CARE CTR OPS Child Care Center Operations	30, 31	/		
HEV0160	CHILD CARE CTR DIR Child Care Center Director	30, 31	/Y		CH CARE TR7 G E CHILD E@0 FAM CON SC1 HME EC OCc7 %7 %G PK PRIMARYH PRESCH ED L PRIMARY E@B
8405100	EARLY CHILDHOOD ED Early Childhood Education	9-12	/		
8405110	EARLY CHILDHOOD ED 1 Early Childhood Education 1/Level 2	9-12	/Y	1.0	E CHILD E@0 FAM CON SC1 HME EC OCc7 PK PRIMARYH PRESCH ED L PRIMARY E@B

## 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	
						EDUCATION	TECHNICAL
8405120	EARLY CHILDHOOD ED 2 Early Childhood Education 2/Level 2	9-12	/Y	1.0		E CHILD E@0 FAM CON SC1 HME EC OCc7 PK PRIMARYH PRESCH ED L PRIMARY E@B	
8405130	EARLY CHILDHOOD ED 3 Early Childhood Education 3/Level 3	9-12	/Y PA	1.0		E CHILD E@0 FAM CON SC1 HME EC OCc7 PK PRIMARYH PRESCH ED L PRIMARY E@B	
8405140	EARLY CHILDHOOD ED 4 Early Childhood Education 4/Level 3	9-12	/Y	1.0		E CHILD E@0 FAM CON SC1 HME EC OCc7 PK PRIMARYH PRESCH ED L PRIMARY E@B	
E300100	EARLY CHILDHOOD ED Early Childhood Education	30, 31	/				
HEV0870	CHILD CARE WKR 1 Child Care Worker 1	30, 31	/Y	1.0		CH CARE TR7 G E CHILD E@0 FAM CON SC1 PK PRIMARYH PRESCH ED L PRIMARY E@B	
HEV0871	CHILD CARE WORKER 2 Child Care Worker 2	30, 31	/Y	1.0		CH CARE TR7 G E CHILD E@0 FAM CON SC1 PK PRIMARYH PRESCH ED L PRIMARY E@B	
HEV0872	TEACHER AIDE (PRESC) Teacher Aide (Preschool)	30, 31	/Y PA	1.0		CH CARE TR7 G E CHILD E@0 FAM CON SC1 PK PRIMARYH PRESCH ED L PRIMARY E@B	
HEV0873	PRESCHOOL TEACHER Preschool Teacher	30, 31	/Y	1.0		CH CARE TR7 G E CHILD E@0 FAM CON SC1 PK PRIMARYH PRESCH ED L PRIMARY E@B	



## 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
V200410	FAM CHILD CARE TRAIN Family Child Care Training	30, 31	/		
HEV0119	FAM CHILD CARE PROV Family Child Care Provider	30, 31	/Y		CH CARE TR7 G E CHILD E@0 FAM CON SC1 HME EC OCC7 %7 %G PK PRIMARYH PRESCH ED L PRIMARY ED @B
V200310	SCH AGE PROF CERT School Age Professional Certificate	30, 31	/		
HEV0112	CHILD CARE WKR - SA Child Care Worker - School Age	30, 31	/S		E CHILD E@0 FAM CON SC1 PK PRIMARYH PRESCH ED L PRIMARY E@B ESE 6
HEV0190	SCHOOL AGE CARE PROF School Age Care Professional	30, 31	/S	0.5	E CHILD E@0 FAM CON SC1 PK PRIMARYH PRESCH ED L PRIMARY ED @B ESE 6
----- GENERAL PROGRAMS -----					
8500310	CHILD DEVELOPMENT Child Development/Level 2	9-12	/S	0.5	E CHILD ED @0 PK PRIMARY H PRIMARY ED @B FAM CON SCI 1 PRESCH ED L
8500410	ED & TRAIN - OJT Education and Training Cooperative Education - OJT	9-12	/M	MULTIPLE	ANY HOME EC/TC COOP ED E G E CHILD ED @0 HME EC OCC c7 PRESCH ED L FAM CON SCI 1 PK PRIMARY H PRIMARY ED @B
8500100	ED & TRAINING DS Education and Training Directed Study	9-12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY HOME ECONOMICS ED G E CHILD ED @0 PK PRIMARY H PRIMARY ED @B FAM CON SCI 1 PRESCH ED L SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8409100	FUND OF CAREER IN ED Fundamentals of Careers in Education	6-8	/S		FAM CON SCI 1
8409200	FUND OF CAREERS & CP Fundamentals of Careers in Education and Career Planning	6-8	/S		FAM CON SCI 1

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8440350	INTRO ED & TRAIN Introduction to Education and Training	6-8	/S		ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER E CHILD ED @0 FAM CON SCI 1 PK PRIMARY H PRESCH ED L PRIMARY ED @B

## APPRENTICESHIP PROGRAMS

V20021R EARLY CHILD ED- APPR  
Early Childhood Education -  
Apprenticeship

30, 31 /

## ENERGY CAREER CLUSTER

## ENERGY

X100100	ELEC LINWORKER Electrical Lineworker	30, 31	/		
BCV0666	ELEC LINWORKER 1 Electrical Lineworker 1	30, 31	/Y	3.5	ELECTRICA@7 7 G TEC ELEC @7 7 G
BCV0668	ELEC LINWORKER 2 Electrical Lineworker 2	30, 31	/Y	3.5	ELECTRICA@7 7 G TEC ELEC @7 7 G
BCV0669	ELEC LINWORKER 3 Electrical Lineworker 3	30, 31	/Y	2.5	ELECTRICA@7 7 G TEC ELEC @7 7 G
9700200	ENERGY GENERATION TE Energy Generation Technician	9-12	/		
8006110	ENERGY INDUSTRY FUND Energy Industry Fundamentals/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2 AGRI 1 @2
8006120	INTRO TO ALT ENERGY Introduction To Alternative Energy - Level 3	9-12	/Y	EQ 1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2 AGRI 1 @2 SCIENCE 4 PHYSICS 1 @4 CHEM 1 ERTH/SPA S1
9700210	ENERGY GENERATION TE Energy Generation Technician/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2

## 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 SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
9700300	ENERGY TECHNICIAN Energy Technician	9-12	/		
8006110	ENERGY INDUSTRY FUND Energy Industry Fundamentals/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2 AGRI 1 @2
8727210	ELECTRICITY 1 Electricity 1/Level 2	9-12	/Y	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
8006120	INTRO TO ALT ENERGY Introduction To Alternative Energy - Level 3	9-12	/Y	EQ 1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2 AGRI 1 @2 SCIENCE 4 PHYSICS 1 @4 CHEM 1 ERTH/SPA S1
8727220	ELECTRICITY 2 Electricity 2/Level 2	9-12	/Y	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
X600600	ENERGY TECHNICIAN Energy Technician	30, 31	/		
ETP0090	ENERGY TECHNICIAN 1 Energy Technician 1	30, 31	/Y	2.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
ETP0091	ENERGY TECHNICIAN 2 Energy Technician 2	30, 31	/Y	2.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
X500200	NATURAL GAS OPS&DIST Natural Gas Operations and Distribution	30, 31	/		
TRA0650	NATURAL GAS DIST 1 Natural Gas Operations and Distribution 1	30, 31	/Y	1.0	NATGASTEC 7 G
TRA0651	NATURAL GAS DIST 2 Natural Gas Operations and Distribution 2	30, 31	/Y	1.0	NATGASTEC 7 G
TRA0652	NATURAL GAS DIST 3 Natural Gas Operations and Distribution 3	30, 31	/Y	1.0	NATGASTEC 7 G
PMF0070	WELDER ASSISTANT 1 Welder Assistant 1	30, 31	/Y	PA 1.0	METAL WORK7 G WELDING @7 7 G
PMF0071	WELDER ASSISTANT 2 Welder Assistant 2	30, 31	/Y	PA 1.0	METAL WORK7 G WELDING @7 7 G
TRA0086	TRACTOR OPERATOR Tractor Operator	30, 31	/Y	1.0	OPER ENGR@7 7 G
TRA0080	TRACTOR TRAIL TRK DR Tractor Trailer Truck Driver	30, 31	/Y	2.0	COMM DRIV@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
8006100	SOLAR ENERGY TECH Solar Energy Technology	9-12	/		
8006110	ENERGY INDUSTRY FUND Energy Industry Fundamentals/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2 AGRI 1 @2
8006120	INTRO TO ALT ENERGY Introduction To Alternative Energy - Level 3	9-12	/Y EQ	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2 AGRI 1 @2 SCIENCE 4 PHYSICS 1 @4 CHEM 1 ERTH/SPA S1
8006130	SOLAR ENERGY TECH Solar Energy Technician - Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
X600400	SOLAR PHOTO SYS DSGN Solar Photovoltaic System Design, Installation and Maintenance	30, 31	/		
EEV0205	SOLAR PHOTO HELPER Solar Photovoltaic System Installation and Maintenance Helper	30, 31	/Y	1.0	AC HEAT M@7 7 G BLDG CONS@7 7 G BLDG MAIN@7 7 G ELECTRICA@7 7 G TEC CONST@7 7 G
EEV0206	SOLAR PHOTO TECH Solar Photovoltaic System Installation and Maintenance Technician	30, 31	/Y	3.0	AC HEAT M@7 7 G BLDG CONS@7 7 G BLDG MAIN@7 7 G ELECTRICA@7 7 G TEC CONST@7 7 G
X600500	TURB GEN MAINT, INSP Turbine Generator Maintenance, Inspection and Repair	30, 31	/		
EEV0140	TURB GEN MAINT TE I Turbine Generator Maintenance Technician I	30, 31	/Y	3.0	BLDG CONS@7 7 G IND ENGR 7 G MILLWRIGHT7 G TEC CONST@7 7 G
EEV0141	TURB GEN MAINT TE II Turbine Generator Maintenance Technician II	30, 31	/Y	3.0	BLDG CONS@7 7 G IND ENGR 7 G MILLWRIGHT7 G TEC CONST@7 7 G
EEV0142	TURB GEN MAINT MECH Turbine Generator Maintenance Mechanic	30, 31	/Y	3.0	BLDG CONS@7 7 G IND ENGR 7 G MILLWRIGHT7 G TEC CONST@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
ENERGY - SUPPLEMENTAL PROGRAMS					
9700420	ENERGY OJT Energy Cooperative Education - OJT	9-12	/M	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
9701000	ENERGY DIRECTED ST Energy Directed Study	11-12	/M	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
9790300	FUND OF ENERGY Fundamentals of Energy	6-8	/S		ELECTRICAL @7 7 G IND ENGR 7 G ENG&TEC ED 1 @2
9709350	INTRO TO ENERGY Introduction to Energy	6-8	/S		ELECTRICAL @7 7 G IND ENGR 7 G ENG&TEC ED 1 @2
9709360	INTRO TO ENERGY & CP Introduction to Energy and Career Planning	6-8	/S		ELECTRICAL @7 7 G IND ENGR 7 G ENG&TEC ED 1 @2
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 TECHNOLOGY APPS Advanced Technology Applications/ Level 3	9-12	/M	PA	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8600080	AEROSPACE TECHS Aerospace Technologies	9-12	/			
8600580	AEROSPACE TECH 1 Aerospace Technologies 1/Level 3	9-12	/Y	EQ	1.0	AEROSPACE 7 G ENG 7 G ENG TEC 7 G ENG&TEC ED1 @2
8600680	AEROSPACE TECH 2 Aerospace Technologies 2/Level 3	9-12	/Y	EQ	1.0	AEROSPACE 7 G ENG 7 G ENG TEC 7 G ENG&TEC ED1 @2

## 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	
8601780	AEROSPACE TECH 3 Aerospace Technologies 3/Level 3	9-12	/Y EQ	1.0	AEROSPACE 7 G ENG 7 G ENG TEC 7 G ENG&TEC ED1 @2		
8401100	APPLD ENGINEER TECH Applied Engineering Technology	9-12	/				
8401110	APPLD ENG TECH 1 Applied Engineering Technology 1/ Level 3	9-12	/Y PA	1.0	ENG 7 G ENG TEC 7 G ENG&TEC ED1 @2		
8401120	APPLD ENG TECH 2 Applied Engineering Technology 2/ Level 3	9-12	/Y	1.0	ENG 7 G ENG TEC 7 G ENG&TEC ED1 @2		
8401130	APPLD ENG TECH 3 Applied Engineering Technology 3/ Level 3	9-12	/Y PA	1.0	ENG 7 G ENG TEC 7 G ENG&TEC ED1 @2		
9410100	APPLIED ROBOTICS Applied Robotics	9-12	/				
9410110	FOUND OF ROBOTICS Foundations of Robotics/Level 3	9-12	/Y PA	1.0	ENG 7 G ENG TEC 7 G ROBOTICS 7 G ENG&TEC ED1 @2		
9410120	ROBOTIC DESIGN ESS Robotic Design Essentials/Level 3	9-12	/Y PA	1.0	ENG 7 G ENG TEC 7 G ROBOTICS 7 G ENG&TEC ED1 @2		
9410130	ROBOTIC SYSTEMS Robotic Systems/Level 3	9-12	/Y PA	1.0	ENG 7 G ENG TEC 7 G ROBOTICS 7 G ENG&TEC ED1 @2		
9410140	ROBOTIC APPL CAP Robotic Applications Capstone/Level 3	9-12	/Y PA	1.0	ENG 7 G ENG TEC 7 G ROBOTICS 7 G ENG&TEC ED1 @2		
8601000	COMMUNICATIONS TECH Communications Technology	9-12	/				
8601010	COMMUNICATION TECH 1 Communications Technology 1/Level 3	9-12	/Y PA	1.0	COMM ART @7 7 G GRAPH ART@4 PRINTING @7 7 G ENG&TEC ED1 @2		
8601020	COMMUNICATION TECH 2 Communications Technology 2/Level 3	9-12	/Y PA	1.0	COMM ART @7 7 G GRAPH ART@4 PRINTING @7 7 G ENG&TEC ED1 @2		
8601030	COMMUNICATION TECH 3 Communications Technology 3/Level 3	9-12	/Y PA	1.0	COMM ART @7 7 G GRAPH ART@4 PRINTING @7 7 G ENG&TEC ED1 @2		

## 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	
8600900	ELECTRONICS TECH Electronics Technology	9-12	/				
8600910	ELECTRONICS TECH 1 Electronics Technology 1/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2 TEC ELEC @7 7 G		
8600920	ELECTRONICS TECH 2 Electronics Technology 2/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2 TEC ELEC @7 7 G		
8600930	ELECTRONICS TECH 3 Electronics Technology 3/Level 3	9-12	/Y	1.0	ELECTRICA@7 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2 TEC ELEC @7 7 G		
9400300	ENGINEERING PATHWAYS Engineering Pathways	9-12	/				
8600550	INTROD ENGR DESIGN Introduction to Engineering Design/ Level 3	9-12	/Y	1.0	PA ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2		
8600520	PRIN OF ENGINEERING Principles of Engineering/Level 3	9-12	/Y	1.0	PA ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2		
8600530	DIGITAL ELECTRONICS Digital Electronics/Level 3	9-12	/Y	1.0	PA ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2		
8600560	COMP INTG MAN Computer Integrated Manufacturing/ Level 3	9-12	/Y	1.0	PA ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2		
8600590	CIV ENGR & ARCH Civil Engineering and Architecture/ Level 3	9-12	/Y	1.0	PA ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2		
8600620	AEROSPACE ENGINEER Aerospace Engineering/Level 3	9-12	/Y	1.0	PA ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2		
8600630	BIOTECH ENGINEERING Biotechnical Engineering/Level 3	9-12	/Y	1.0	PA ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2		
8600650	ENGR DESIGN & DEV Engineering Design and Development/ Level 3	9-12	/Y	1.0	PA ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2		
8404100	MARITIME TECHNOLOGY Maritime Technology	9-12	/				
8404110	MARITIME 1 Maritime 1/Level 3	9-12	/Y	1.0	SEAMANSHIP7 G ENG&TEC ED1 @2		
8404120	MARITIME 2 Maritime 2/Level 3	9-12	/Y	1.0	SEAMANSHIP7 G ENG&TEC ED1 @2		

## 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
8404130	MARITIME 3 Maritime 3/Level 3	9-12	/Y	1.0	SEAMANSHIP7 G ENG&TEC ED1 @2
8404140	MARITIME 4 Maritime 4/Level 3	9-12	/Y	1.0	SEAMANSHIP7 G ENG&TEC ED1 @2
8601100	MAT & PROCS TECH Materials and Processes Technology	9-12	/		
8601110	MAT & PROCS TECH 1 Materials and Processes Technology 1/Level 2	9-12	/Y PA	1.0	CAB WOODW@7 7 G ENG 7 G ENG&TEC ED1 @2
8601120	MAT & PROCS TECH 2 Materials and Processes Technology 2/Level 2	9-12	/Y PA	1.0	CAB WOODW@7 7 G ENG 7 G ENG&TEC ED1 @2
8601130	MAT & PROCS TECH 3 Materials and Processes Technology 3/Level 3	9-12	/Y PA	1.0	CAB WOODW@7 7 G ENG 7 G ENG&TEC ED1 @2
8601300	POWER & ENERGY TECH Power and Energy Technology	9-12	/		
8601310	POWER & ENERGY TECH1 Power and Energy Technology 1/Level 2	9-12	/Y	1.0	AIR MECH @7 7 G AUTO IND @7 %7 %G AUTO MECH@7 7 G DIESEL ME@7 7 G ENG 7 G GASENG RP@7 7 G ENG&TEC ED1 @2 TEC MECH 7 G TRANSPORT 7 G
8601320	POWER & ENERGY TECH2 Power and Energy Technology 2/Level 2	9-12	/Y	1.0	AIR MECH @7 7 G AUTO IND @7 %7 %G AUTO MECH@7 7 G DIESEL ME@7 7 G ENG 7 G GASENG RP@7 7 G ENG&TEC ED1 @2 TEC MECH 7 G TRANSPORT 7 G
8601330	POWER & ENERGY TECH3 Power and Energy Technology 3/Level 3	9-12	/Y	1.0	AIR MECH @7 7 G AUTO IND @7 @7 %G AUTO MECH@7 7 G DIESEL ME@7 7 G ENG 7 G GASENG RP@7 7 G ENG&TEC ED1 @2 TEC MECH 7 G TRANSPORT 7 G



## SECTION 5

## CAREER AND TECHNICAL EDUCATION

## 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	
						PROGRAM/COURSE TITLE / COURSE LEVEL	CRSE LENGTH
8604000	PRODUCTION TECH Production Technology	9-12	/				
8600540	PRODUCTION TECH 1 Production Technology 1/Level 2	9-12	/Y	PA	1.0	ENG 7 G ENG&TEC ED1 @2 AUTO PROD 7 G ENG TEC 7 G	
8600640	PRODUCTION TECH 2 Production Technology 2/Level 2	9-12	/Y	PA	1.0	ENG 7 G ENG&TEC ED1 @2 AUTO PROD 7 G ENG TEC 7 G	
8601740	PRODUCTION TECH 3 Production Technology 3/Level 3	9-12	/Y	PA	1.0	ENG 7 G ENG&TEC ED1 @2 AUTO PROD 7 G ENG TEC 7 G	
9400100	SCIENTIFIC VISUALIZ Scientific Visualization	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
9400110	PRIN SCIEN VISUALIZ Principles of Scientific Visualization/Level 3	9-12	/Y		1.0	COMPU SCI 6 ENG 7 G SCI VIZ 7 G ENG&TEC ED1 @2	
9400120	DATA MODELING Data Modeling/Level 3	9-12	/Y	PA	1.0	COMPU SCI 6 ENG 7 G SCI VIZ 7 G ENG&TEC ED1 @2	
9400130	ADV APPS SCI VISUAL Advanced Applications in Scientific Visualization/Level 3	9-12	/Y	PA	1.0	COMPU SCI 6 ENG 7 G SCI VIZ 7 G ENG&TEC ED1 @2	
9400140	SCIVIZ INTERNSHIP Scientific Visualization Internship /Level 2	9-12	/Y		1.0	COMPU SCI 6 ENG 7 G SCI VIZ 7 G ENG&TEC ED1 @2	
8401000	TECHNICAL DESIGN Technical Design	9-12	/				
8401010	TECHNICAL DESIGN 1 Technical Design 1/Level 3	9-12	/Y	PA	1.0	DRAFTING @7 7 G ENG 7 G GRAPH ART@4 ENG&TEC ED1 @2	

## 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
8401020	TECHNICAL DESIGN 2 Techni cal Design 2/Level 3	9-12	/Y PA	1.0	DRAFTING @7 7 G ENG 7 G GRAPH ART@4 ENG&TEC ED1 @2
8401030	TECHNICAL DESIGN 3 Techni cal Design 3/Level 3	9-12	/Y PA	1.0	DRAFTING @7 7 G ENG 7 G GRAPH ART@4 ENG&TEC ED1 @2
9400900	TECHNOLOGICAL SYS Technologi cal Systems	9-12	/		
8600410	COMMUNICATION SYSTEM Communi cations Systems/Level 2	9-12	/S PA	0.5	ENG&TEC ED1 @2 GRAPH ART@4 COMM ART @7 7 G PRINTING @7 7 G ENG 7 G
8600420	POWER TRANS SYSS Power and Transportati on Systems/ Level 2	9-12	/S	0.5	AUTO MECH@7 7 G AUTO IND @7 %7 %G AIR MECH @7 7 G ENG&TEC ED1 @2 TEC MECH 7 G GASENG RP@7 7 G TRANSPORT 7 G ENG 7 G
8600430	PRODUCTION SYSTEMS Production Systems/Level 2	9-12	/S	0.5	DI ESEL ME@7 7 G ENG&TEC ED1 @2 AUTO PROD 7 G ENG 7 G
8600440	TECH DESIGN SYSTEMS Techni cal Design Systems/Level 2	9-12	/S PA	0.5	ENG TEC 7 G ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G GRAPH ART@4 DRAFTING @7 7 G
8600450	ELECTRONICS SYSTEMS Electroni cs Systems/Level 2	9-12	/S	0.5	ELECTRONI @7 7 G ENG&TEC ED1 @2 TEC ELEC @7 7 G ENG 7 G ELECTRICA@7 7 G
8600460	ENGINEERING SYSTEMS Engi neeri ng Systems/Level 2	9-12	/S	0.5	ENG TEC 7 G ENG&TEC ED1 @2 ENG TEC 7 G ENG 7 G
8600470	APPLIED TECH SYSS Appli ed Technol ogy Systems/Level 2	9-12	/S	0.5	ENG&TEC ED1 @2 ENG TEC 7 G ENG 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8600480	CONSTRUCT TECH SYS Construction Technology Systems/ Level 2	9-12	/S	0.5	ENG&TEC ED1 @2 ENG TEC 7 G ENG 7 G BLDG CONS@7 7 G BLDG MAIN@7 7 G DRAFTING @7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
9400910	AEROSPACE TECH SYS Aerospace Technology Systems/Level 2	9-12	/S	0.5	ENG&TEC ED1 @2 ENG TEC 7 G ENG 7 G AEROSPACE 7 G
9400920	ROBOTICS SYSTEMS Robotics Systems/Level 2	9-12	/S PA	0.5	ENG&TEC ED1 @2 ENG TEC 7 G ENG 7 G ROBOTICS 7 G
8600100	TECHNOLOGY STUDIES Technology Studies	9-12	/		
8600510	TECH STUDIES 1 Technology Studies 1/Level 2	9-12	/Y PA	1.0	ENG 7 G ENG&TEC ED1 @2
8600610	TECH STUDIES 2 Technology Studies 2/Level 2	9-12	/Y PA	1.0	ENG 7 G ENG&TEC ED1 @2
8601710	TECH STUDIES 3 Technology Studies 3/Level 2	9-12	/Y PA	1.0	ENG 7 G ENG&TEC ED1 @2
8601200	TRANSPORTATION TECH Transportation Technology	9-12	/		
8601210	TRANS TECH 1 Transportation Technology 1/Level 2	9-12	/Y	1.0	AIR MECH @7 7 G AUTO IND @7 %7 %G AUTO MECH@7 7 G DIESEL ME@7 7 G ENG 7 G GASENG RP@7 7 G ENG&TEC ED1 @2 TRANSPORT 7 G
8601220	TRANS TECH 2 Transportation Technology 2/Level 2	9-12	/Y	1.0	AIR MECH @7 7 G AUTO IND @7 %7 %G AUTO MECH@7 7 G DIESEL ME@7 7 G ENG 7 G GASENG RP@7 7 G ENG&TEC ED1 @2 TRANSPORT 7 G
8601230	TRANS TECH 3 Transportation Technology 3/Level 3	9-12	/Y	1.0	AIR MECH @7 7 G AUTO IND @7 %7 %G AUTO MECH@7 7 G DIESEL ME@7 7 G ENG 7 G GASENG RP@7 7 G ENG&TEC ED1 @2 TRANSPORT 7 G

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

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8601800	WORK-BASED EXP Work-Based Experience/Level 2	9-12	/M	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
----- GENERAL PROGRAMS -----							
8600042	EX OF PDCT TECH & CP Exploration of Production Technology and Career Planning	6-8	/S		BLDG CONST @7 7 G	BLDG MAINT @7 7 G	
					CARPENTRY @7 7 G	ENG 7 G	
					TEC CONSTR @7 7 G	ENG&TEC ED 1 @2	
					AUTO PROD 7 G	ENG TEC 7 G	
					METAL WORK 7 G	PLTW PTE 7 G	
8600220	EXPLO TECH & CAR PLA Exploring Technology and Career Planning	6-8	/S		ENG 7 G	ENG&TEC ED 1 @2	
					ENG TEC 7 G	PLTW PTE 7 G	
8600000	INTEGRATED TECH ST Integrated Technology Studies	6-8	/				
8600010	INTROD TO TECH Introduction to Technology	6-8	/S		ENG&TEC ED1 @2		
					ENG 7 G		
					ENG TEC 7 G		
					PLTW PTE 7 G		
8600020	EXPLO TECH Exploring Technology	6-8	/S		ENG&TEC ED1 @2		
					ENG 7 G		
					ENG TEC 7 G		
					PLTW PTE 7 G		
					TRANSPORT 7 G		
8600030	EXPLOR COMM TECH Exploration of Communications Technology	6-8	/S		ENG&TEC ED1 @2		
					GRAPH ART@4		
					COMM ART @7 7 G		
					PRINTING @7 7 G		
					ENG 7 G		
8600040	EXPLOR OF PROD TECH Exploration of Production Technology	6-8	/S		METAL WORK7 G		
					ENG 7 G		
					ENG&TEC ED1 @2		
					AUTO PROD 7 G		
					CARPENTRY@7 7 G		
					TEC CONST@7 7 G		
					BLDG MAIN@7 7 G		
					BLDG CONS@7 7 G		
					ENG TEC 7 G		
					PLTW PTE 7 G		
8600050	EXPLOR AEROSPACE TEC Exploration of Aerospace Technology	6-8	/S		ENG&TEC ED1 @2		
					ENG TEC 7 G		
					PLTW PTE 7 G		
					ENG 7 G		
					AEROSPACE 7 G		
					TRANSPORT 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	/S	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS		CREDIT	CERTIFICATION
8600240	EX OF TRANS TECH Exploration of Transportation Technology	6-8	/S	ENG&TEC ED1 @2			
				ENG 7 G			
				AUTO MECH@7 7 G			
				DI ESEL ME@7 7 G			
				GASENG RP@7 7 G			
				AUTO IND @7 %7 %G			
				TRANSPORT 7 G			
8600250	EX POWER & ENGR TECH Exploration of Power and Energy Technology	6-8	/S	AIR MECH @7 7 G			
				TEC MECH 7 G			
				ENG&TEC ED1 @2			
				TRANSPORT 7 G			
				AUTO MECH@7 7 G			
				GASENG RP@7 7 G			
				DI ESEL ME@7 7 G			
8600060	EX ENGINEERING TECH Exploration of Engineering Technology	6-8	/S	ENG 7 G			
				TEC MECH 7 G			
				AUTO IND @7 %7 %G			
				ENG&TEC ED1 @2			
				PLTW PTE 7 G			
				ENG 7 G			
				ENG TEC 7 G			
8600070	EX ROBOTICS TECH Exploration of Robotics Technology	6-8	/S	ENG&TEC ED1 @2			
				ENG TEC 7 G			
				ENG 7 G			
				ROBOTICS 7 G			
				ENG&TEC ED1 @2			
				ENG 7 G			
				DRAFTING @7 7 G			
8600090	EX TECH DSGN TECH Exploration of Technical Design Technology	6-8	/S	GRAPH ART@4			
				ENG TEC 7 G			
				PLTW PTE 7 G			
				ENG&TEC ED1 @2			
				ENG 7 G			
				DRAFTING @7 7 G			
				ENG TEC 7 G			
8600091	EX ELECTRONICS TECH Exploration of Electronics Technology	6-8	/S	ENG TEC 7 G			
				ELECTRONI@7 7 G			
				TEC ELEC @7 7 G			
				ELECTRICA@7 7 G			
				PLTW PTE 7 G			
				ENG&TEC ED1 @2			
				ENG 7 G			
8600092	EX MARITIME TECH Exploration of Maritime Technology	6-8	/S	SEAMANSHIP7 G			
				ENG&TEC ED1 @2			
				ENG 7 G			
				ENG TEC 7 G			
				ENG TEC 7 G			
				ENG 7 G			
				ENG TEC 7 G			
8600093	EX LOG &SUPPLY CHAIN Exploration of Logistics and Supply Chain Technology	6-8	/S	LOG TECH 7 G			
				ENG 7 G			
				ENG TEC 7 G			
				ENG&TEC ED1 @2			
				BUS ED 1			

## 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
8600094	EX GREEN CONST & ARC Exploration of Green Construction and Architecture Technology	6-8	/S		ENG&TEC ED1 @2 ENG 7 G BLDG CONS@7 7 G BLDG MAIN@7 7 G ENG TEC 7 G TEC DRAFT 7 G TEC CONST@7 7 G CARPENTRY@7 7 G DRAFTING @7 7 G PLTW PTE 7 G
8600360	INT TECH ST & CP Integrated Technology Studies and Career Planning	6-8	/		
8600012	INTRO TEC & CAR PLA Introduction to Technology and Career Planning	6-8	/S		ENG&TEC ED1 @2 ENG TEC 7 G ENG 7 G PLTW PTE 7 G
8600220	EXPLO TECH & CAR PLA Exploring Technology and Career Planning	6-8	/S		ENG 7 G ENG&TEC ED1 @2 ENG TEC 7 G PLTW PTE 7 G
8600032	EX COMM TECH & CP Exploration of Communications Technology and Career Planning	6-8	/S		ENG&TEC ED1 @2 PRINTING @7 7 G GRAPH ART@4 COMM ART @7 7 G ENG 7 G
8600042	EX OF PDCT TECH & CP Exploration of Production Technology and Career Planning	6-8	/S		BLDG CONS@7 7 G BLDG MAIN@7 7 G CARPENTRY@7 7 G ENG 7 G TEC CONST@7 7 G ENG&TEC ED1 @2 AUTO PROD 7 G ENG TEC 7 G METAL WORK7 G PLTW PTE 7 G
8600052	EX AERO TECH & CP Exploration of Aerospace Technology and Career Planning	6-8	/S		ENG&TEC ED1 @2 ENG TEC 7 G PLTW PTE 7 G ENG 7 G AEROSPACE 7 G
8600242	EX TRANS TECH & CP Exploration of Transportation Technology and Career Planning	6-8	/S		ENG&TEC ED1 @2 ENG 7 G AUTO MECH@7 7 G DIESEL ME@7 7 G GASENG RP@7 7 G AUTO IND @7 %7 %G TRANSPORT 7 G AIR MECH @7 7 G TEC 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8600252	EX POWER & ENERGY CP Exploration of Power and Energy Technology and Career Planning	6-8	/S		ENG&TEC ED1 @2 TRANSPORT 7 G AUTO MECH@7 7 G GASENG RP@7 7 G DI ESEL ME@7 T G ENG 7 G TEC MECH 7 G AUTO IND @7 %7 %G
8600062	EX ENGINEER TECH& CP Exploration of Engineering Technology and Career Planning	6-8	/S		ENG&TEC ED1 @2 PLTW PTE 7 G ENG 7 G ENG TEC 7 G
8600072	EX ROBOTICS TECH& CP Exploration of Robotics Technology and Career Planning	6-8	/S		ENG&TEC ED1 @2 ENG TEC 7 G ENG 7 G ROBOTICS 7 G
8600082	EX TECH DSN TECH& CP Exploration of Technical Design Technology and Career Planning	6-8	/S		ENG&TEC ED1 @2 ENG 7 G DRAFTING @7 7 G GRAPH ART@4
8600095	EX ELECTRONICS & CP Exploration of Electronics Technology and Career Planning	6-8	/S		ENG TEC 7 G PLTW PTE 7 G ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G ELECTRONI@7 7 G TEC ELEC @7 7 G ELECTRICA@7 7 G
8600096	EX MARITIME & CP Exploration of Maritime Technology and Career Planning	6-8	/S		PLTW PTE 7 G ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G SEAMANSHIP 7 G
8600097	EX LOG & SUPPLY/CP Exploration of Logistics and Supply Chain Technology & Career Planning	6-8	/S		ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G LOG TECH 7 G
8600098	EX GR CONSTRUCT/CP Exploration of Green Construction and Architecture and Career Planning	6-8	/S		BUS ED 1 ENG&TEC ED1 @2 ENG 7 G BLDG CONS@7 7 G BLDG MAIN@7 7 G ENG TEC 7 G TEC DRAFT 7 G TEC CONST@7 7 G CARPENTRY@7 7 G DRAFTING @7 7 G PLTW PTE 7 G

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
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## |FINANCE CAREER CLUSTER|

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

^8815100	FINANCE Finance	9-12	/						
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G			
8815150	BUS COMM & TECH Business Communications and Technology/Level 2	9-12	/Y	PA	1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT 7 G			
8203310	ACCOUNTING APPS 1 Accounting Applications 1/Level 3	9-12	/Y		1.0	ACCTING @7 7 G BOOKKEEPI@4 @7 7 G BUS ED 1 @2 TC COOP E@7 VOE @7 MANAG SUP@7 7 G MKTG 1 @2 MKTG MGMT 7 G			
8815110	ECONOMICS & FIN SERV Economics and Financial Services/ Level 3	9-12	/Y		1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT 7 G			
2102360	AP MICROECON Advanced Placement Microeconomics		/S	EC	0.5	ECONOMICS@1 SOCIAL SCI 1 HI STORY @1			
<sup>a</sup> 2102365	AP MICROECON INNOV Advanced Placement Microeconomics Innovation (CAPE)		/S	EC	0.5	ECONOMICS@1 SOCIAL SCI 1 HI STORY @1			
2102370	AP MACROECON Advanced Placement Macroeconomics		/S	EC	0.5	ECONOMICS@1 SOCIAL SCI 1 HI STORY @1			
8815130	FINANCIAL INTERNSHIP Financial Internship/Level 2	9-12	/Y		1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8501420	Finance OJT Finance Cooperative Education - OJT	9-12	/M	1.0	ANY BUSINESS ED G ANY BUSINESS ED/TC COOP ED E G BUS ED 1 @2 MKTG 1 @2 TC COOP E@7 VOE @7 BANK FINC@7 7 G
8815120	PERSONAL FINANCE Personal Finance/Level 3	9-12	/Y	1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT@7 7 G
8515300	GLOBAL FINANCE Global Finance	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
8815150	BUS COMM & TECH Business Communications and Technology/Level 2	9-12	/Y PA	1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT 7 G
8203310	ACCOUNTING APPS 1 Accounting Applications 1/Level 3	9-12	/Y	1.0	ACCTING @7 7 G BOOKKEEPI@4 @7 7 G BUS ED 1 @2 TC COOP E@7 VOE @7 MANAG SUP@7 7 G MKTG 1 @2 MKTG MGMT 7 G BANK FINC@7 7 G
8815160	MANAGERIAL ACCT Managerial Accounting/Level 3	9-12	/Y	1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT 7 G
8815130	FINANCIAL INTERNSHIP Financial Internship/Level 2	9-12	/Y	1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT 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
8501420	Finance OJT Finance Cooperative Education - OJT	9-12	/M	1.0	ANY BUSINESS ED G ANY BUSINESS ED/TC COOP ED E G BUS ED 1 @2 MKTG 1 @2 TC COOP E@7 VOE @7 BANK FINC@7 7 G
8815170	BUS IN A GLOBAL ECON Business in a Global Economy/Level 3	9-12	/Y	1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT 7 G
F100300	LOAN ORIG- MORTGAGE Loan Originator-Mortgage	30, 31	/		
REE0092	MORTGAGE LOAN ORIG Mortgage Loan Originator	30, 31	/S		SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
F100400	PROPERTY ADJ EST Property Adjuster Estimating	30, 31	/		
RMI0070	PROPERTY ADJ EST Property Adjuster Estimating	30, 31	/S		SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
INSURANCE SERVICES CAREER PATH (FNPD)					
M810015	INS CLAIMS ADJUSTER Insurance Claims Adjuster	30, 31	/		
RMI0094	INSURANCE CLAIMS ADJ Insurance Claims Adjuster	30, 31	/S		SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
M810016	INS CUST SERV REP Insurance Customer Service Representative	30, 31	/		
RMI0093	(INS) CUST SRV REP (Insurance) Customer Service Representative	30, 31	/S		SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
M810014	INS GEN LINES AGENT Insurance General Lines Agent	30, 31	/		
RMI0096	INS GEN LINES AGENT Insurance General Lines Agent	30, 31	/Y	1.0	INSURANCE 7 G
M810017	LIFE INSURANCE MKT Life Insurance Marketing	30, 31	/		
RMI0071	INS SALES AGT Insurance Sales Agent - Life, Health and Annuities	30, 31	/S		INSURANCE 7 G
M810021	PERS LINES INS AGENT Personal Lines Insurance Agent (20-44)	30, 31	/		
RMI0603	PERSONAL LINES AGENT Personal Agent (20-44)	30, 31	/Y		INSURANCE 7 G

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	/M	1.0	ANY BUSINESS ED G ANY BUSINESS ED/TC COOP ED E G BUS ED 1 @2 MKTG 1 @2 TC COOP ED @7 VOE @7 BANK FINC @7 7 G
8501000	FINANCE DIRECTED ST Finance Directed Study	11-12	/M	MULTIPLE	ANY BUSINESS ED G BUS ED 1 @2 MKTG 1 @2
8540400	FUND OF FINANCE Fundamentals of Finance	6-8	/S		BUS ED 1 @2 MKTG 1 @2 TC COOP ED @7 VOE @7
8540350	INTRO TO FINANCE Introduction to Finance	6-8	/S		BUS ED 1 @2 MKTG 1 @2 TC COOP ED @7 VOE @7
8540360	INTRO TO FINANCE/CP Introduction to Finance and Career Planning	6-8	/S		BUS ED 1 @2 MKTG 1 @2 TC COOP ED @7 VOE @7
8500120	PERS FINANCIAL LIT Personal Financial Literacy/Level 2	9-12	/S	0.5	BUS ED 1 @2 FAM CON SCI 1

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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	/		
ETC0003	PUB WORKS CADET 1 Public Works Cadet 1 (Core)	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
ETC0004	PUB WORKS CADET 2 Public Works Cadet 2	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
ETC0005	PUB WORKS CADET 3 Public Works Cadet 3	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE

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PLANNING CAREER PATH (GVPD)  
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8602000	EMER PLAN & RESPONSE Emergency Planning and Response	9-12	/		
8602010	EMER PLAN & RESP 1 Emergency Planning and Response 1/ Level 3	9-12	/Y	1.0	FIRE FIGHT 7 G LAW ENF 7 G PUB ADM 7 G PUB 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					SUBJECT AREA		
8602020	EMER PLAN & RESP 2 Emergency Planning and Response 2/ Level 3	9-12	/Y	1.0	FIRE FIGHT7	G	
					LAW ENF	7 G	
					PUB ADM	7 G	
					PUB SERV	7 G	
8602030	EMER PLAN & RESP 3 Emergency Planning and Response 3/ Level 3	9-12	/Y	1.0	FIRE FIGHT7	G	
					LAW ENF	7 G	
					PUB ADM	7 G	
					PUB SERV	7 G	
8602040	EMER PLAN & RESP 4 Emergency Planning and Response 4/ Level 3	9-12	/Y	1.0	FIRE FIGHT7	G	
					LAW ENF	7 G	
					PUB ADM	7 G	
					PUB SERV	7 G	
SUPPLEMENTAL PROGRAMS							
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8900500	FUND OF GOV & PS Fundamentals of Government and Public Public Administration	6-8	/S		ANY PUB SERV OCC ED	G	
					TEC CONSTR	@7 7 G	
8601420	GOV & PA OJT Government and Public Administration Cooperative Education OJT	9-12	/M	MULTIPLE	ANY PUB SERV OCC ED	G	
8603000	GOV & PA DIR STUDY Government and Public Administration Directed Study	11-12	/M	MULTIPLE	ANY PUB SERV OCC ED	G	
8900210	INTRO GOV & PS Introduction to Government and Public Administration	6-8	/S		ANY PUB SERV OCC ED	G	
					TEC CONSTR	@7 7 G	
8900360	INTRO GOV & PS/CP Introduction to Government and Public Administration/Career Planning	6-8	/S		ANY PUB SERV OCC ED	G	
					TEC CONSTR	@7 7 G	
8900330	PRIN PUB SERV Principles of Public Service/Level 2	9-12	/Y	1.0	ANY PUB SERV OCC ED	G	
					EMT	@7 7 G	PARAMEDIC @7 7 G

## |HEALTH SCIENCE CAREER CLUSTER|

## THERAPEUTIC SERVICES CAREER PATH (HLPA)

8417130	ALLIED HEALTH ASSIST Allied Health Assisting	9-12	/				
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y	EQ	1.0	ANY HEALTH OCCUP	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
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y	1.0	ANY HEALTH OCCUP G
8417131	ALLIED HEALTH ASSIS3 Allied Health Assisting 3/Level 2	10-12	/Y	1.0	ANY HEALTH OCCUP G
H170222	CENTRAL STERILE PROC Central Sterile Processing Technology	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
STS0019	CEN STER MAT MGMT Central Sterile Service Materials Management	30, 31	/Y	1.0	CENTSERVTE7 G OPR RN 7 G SURG TECH 7 G
STS0013	CENT STER PROC TECH Central Sterile Processing Techni cian	30, 31	/Y	2.5	CENTSERVTE7 G OPR RN 7 G SURG TECH 7 G
8417140	DENTAL AIDE Dental Aide	9-12	/		
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y	EQ	1.0 ANY HEALTH OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y	1.0	ANY HEALTH OCCUP G
8417141	DENTAL AIDE 3 Dental Aide 3/Level 3	10-12	/Y	1.0	DENTL ASS@7 7 G
H170106	DENTAL ASSISTING Dental Assisting	30, 31	/		
DEA0725	INTRO TO DENTAL ASST Introduction to Dental Assisting	30, 31	/S	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
DEA0726	DENT INFECT CTRL AST Dental Infection Control Assistant	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
DEA0727	DENTAL ASSISTING 1 Dental Assisting 1	30, 31	/Y	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
DEA0728	DENTAL ASSISTING 2 Dental Assisting 2	30, 31	/Y	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
H170113	DEN ASST TECH&MGATD Dental Assisting Technology and Management - ATD	30, 31	/		
DEA0725	INTRO TO DENTAL ASST Introduction to Dental Assisting	30, 31	/S	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
DEA0726	DENT INFECT CTRL AST Dental Infection Control Assistant	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
DEA0727	DENTAL ASSISTING 1 Dental Assisting 1	30, 31	/Y	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
DEA0728	DENTAL ASSISTING 2 Dental Assisting 2	30, 31	/Y	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE 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
8417150	DENTAL LAB ASSIST Dental Laboratory Assisting	9-12	/		
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y	EQ	1.0 ANY HEALTH OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y		1.0 ANY HEALTH OCCUP G
8417151	DEN LAB ASSIST 3 Dental Laboratory Assisting 3/Level 2	10-12	/Y		1.0 DEN LABTEC7 G
8417152	DEN LAB ASSIST 4 Dental Laboratory Assisting 4/Level 2	10-12	/Y		1.0 DEN LABTEC7 G
H170108	DENTAL LAB TECH Dental Laboratory Technology	30, 31	/		
DTE0400	ORIENT DENTAL LAB Orientation to Dental Laboratory Technology	30, 31	/Y		0.5 DEN LABTEC7 G
DTE0433	DENTURE TECHNICIAN 1 Denture Technician 1	30, 31	/Y		2.0 DEN LABTEC7 G
DTE0434	DENTURE TECHNICIAN 2 Denture Technician 2	30, 31	/Y		2.0 DEN LABTEC7 G
DTE0435	ADV DENTURE TECH Advanced Denture Technician	30, 31	/Y		2.0 DEN LABTEC7 G
DTE0441	CROWN & BRIDGE TECH Crown and Bridge Technician	30, 31	/Y		1.5 DEN LABTEC7 G
DTE0461	CERAMIC TECHNICIAN Ceramic Technician	30, 31	/Y		1.5 DEN LABTEC7 G
DTE0451	IMPLANT TECHNICIAN Implant, Attachment & Hybrid Restoration Technician	30, 31	/Y		1.5 DEN LABTEC7 G
DTE0481	MASTER DENTL LAB TEC Master Dental Laboratory Technician	30, 31	/Y		1.0 DEN LABTEC7 G
8417160	EKG AIDE Electrocardiograph Aide	9-12	/		
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y	EQ	1.0 ANY HEALTH OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y		1.0 ANY HEALTH OCCUP G
8417161	EKG AIDE 3 Electrocardiograph Aide 3/Level 2	10-12	/S		0.5 LAB TECH @7 7 G EKG 7 G REG NURSE 7 G PARAMEDIC@7 7 G MED ASST 7 G TEC X RAY@7 7 G RESP THER@7 7 G MED PROF 7 G PRAC NURS@7 %7 %G
8417170	EMERG MED RESPONDER Emergency Medical Responder	9-12	/		

## 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
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y EQ	1.0	ANY HEALTH OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y	1.0	ANY HEALTH OCCUP G
8417171	EMERG MED RESP 3 Emergency Medical Responder 3/Level 3	10-12	/Y	1.0	REG NURSE 7 G PARAMEDIC@7 7 G MED PROF 7 G EMT 7 G LAW ENF @7 7 G CORR OFF 7 G PUB SERV 7 G FIRE FIGH@7 7 G PRAC NURS@7 %7 %G
H171500	EMERG MED RESPONDER Emergency Medical Responder	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
EMS0050	EMERG MED RESP Emergency Medical Responder	30, 31	/Y	1.0	EMT 7 G MED PROF 7 G PARAMEDIC@7 7 G REG NURSE 7 G
W170212	EMT - ATD Emergency Medical Technician - ATD	30, 31	/		
EMS0110	EMER MEDICAL TECH Emergency Medical Technician (EMT)	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8417000	EXERCISE SCIENCE Exercise Science	9-12	/		
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y EQ	1.0	ANY HEALTH OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y	1.0	ANY HEALTH OCCUP G
8417120	EXERCISE SCIENCE Exercise Science/Level 3	10-12	/Y	1.0	PH THERTEC7 G HEALTH FIT SPEC MED PROF 7 G
H170207	HEMODIALYSIS TECH Hemodialysis Technician	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
MLT0368	DIALYSIS TECH 1 Dialysis Technician 1	30, 31	/Y	1.5	HEMO TEC 7 G PRAC NURS@7 %7 %G REG NURSE 7 G
MLT0369	DIALYSIS TECH 2 Dialysis Technician 2	30, 31	/Y	1.5	HEMO TEC 7 G PRAC NURS@7 %7 %G REG NURSE 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
8417190	HOME HEALTH AIDE Home Health Aide	9-12 /			
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12 /Y	EQ	1.0	ANY HEALTH OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12 /Y		1.0	ANY HEALTH OCCUP G
8417191	HME HEALTH AIDE 3 Home Health Aide 3/Level 2	10-12 /S		0.5	REG NURSE 7 G PRAC NURS@7 %7 %G
H170604	HOME HEALTH AIDE Home Health Aide	30, 31 /			
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31 /Y		1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCPO330	HOME HEALTH AIDE Home Health Aide	30, 31 /S		0.5	PRAC NURS@7 %7 %G REG NURSE 7 G
H120406	MASSAGE THERAPY Massage Therapy	30, 31 /			
MSS0204	MASSAGE THERAPY 1 Massage Therapy 1	30, 31 /Y		2.5	MASSAGE TH7 G
MSS0209	MASSAGE THERAPY 2 Massage Therapy 2	30, 31 /Y		2.5	MASSAGE TH7 G
H170515	MEDICAL ASSISTING Medical Assisting	30, 31 /			
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31 /Y		1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
MEA0002	INTRO TO MED ASSIST Introduction to Medical Assisting	30, 31 /Y		1.5	MED ASST 7 G PRAC NURS@7 %7 %G LAB TECH @7 7 G REG NURSE 7 G BUS ED 1 @2 VOE @7 SECRETAR 7 G CLERICAL @7 7 G
MEA0501	MEDICAL OFFICE PROC Medical Office Procedures	30, 31 /S		0.5	MED ASST 7 G PRAC NURS@7 %7 %G CLERICAL 7 G LAB TECH @7 7 G REG NURSE 7 G BUS ED 1 @2 VOE @7 SECRETAR 7 G CLERICAL @7
MEA0521	PHLEBOTOMIST, MA Phlebotomi st, MA	30, 31 /S		0.5	MED ASST 7 G PRAC NURS@7 %7 %G PHLEB 7 G LAB TECH @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
MEA0543	EKG AIDE, MA EKG Aide, MA	30, 31	/S	0.5	MED ASST 7 G PRAC NURS@7 %7 %G REG NURSE 7 G LAB TECH @7 7 G
MEA0581	CLINICAL ASSISTING Clinical Assisting	30, 31	/Y	1.5	MED ASST 7 G PRAC NURS@7 %7 %G REG NURSE 7 G LAB TECH @7 7 G
MEA0530	PHARM/MEDI CAL ASSIST Pharmacology for Medi cal Assisting	30, 31	/S	0.5	MED ASST 7 G PRAC NURS@7 %7 %G REG NURSE 7 G LAB TECH @7 7 G
MEA0573	LABORATORY PROCEDURE Laboratory Procedures	30, 31	/S	0.5	MED ASST 7 G PRAC NURS@7 %7 %G REG NURSE 7 G LAB TECH @7 7 G
MEA0506	ADMIN OFF PROCEDURES Administrative Office Procedures	30, 31	/S	0.5	MED ASST 7 G PRAC NURS@7 %7 %G REG NURSE 7 G LAB TECH @7 7 G
MEA0942	PRACTICUM EXPERIENCE Practicum Experience	30, 31	/Y	1.0	MED ASST 7 G PRAC NURS@7 %7 %G REG NURSE 7 G LAB TECH @7 7 G
8417200	MEDICAL LAB ASSIST Medical Laboratory Assisting	9-12	/		
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y	EQ	1.0 ANY HEALTH OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y		1.0 ANY HEALTH OCCUP G
8417201	MED LAB ASSIST 3 Medical Laboratory Assisting 3/ Level 3	10-12	/Y		1.0 LAB TECH @7 7 G
8417202	MED LAB ASSIST 4 Medical Laboratory Assisting 4/ Level 3	10-12	/Y		1.0 LAB TECH @7 7 G
8417210	NURSE ASSISTANT Nursing Assistant (Acute and Long Term Care)	9-12	/		
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y	EQ	1.0 ANY HEALTH OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y		1.0 ANY HEALTH OCCUP G
8417211	NURSE ASSISTING 3 Nursing Assisting 3/Level 3	10-12	/Y		1.0 REG NURSE 7 G PRAC NURS@7 %7 %G LPN 7 G

SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE 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
H170690	NURSING ASST (ART.) Nursing Assistant (Articulated)	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	30, 31	/S	0.5	REG NURSE 7 G PRAC NURS@7 %7 %G LPN 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
H170602	NURSING ASSISTANT Nursing Assistant (Long Term Care)	30, 31	/		
PRN0090	NURSE AIDE & ORDERLY Nurse Aide and Orderly	30, 31	/Y	1.0	REG NURSE 7 G PRAC NURS@7 %7 %G LPN 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
H170705	OPTOMETRIC ASSIST Optometric Assisting	30, 31	/		
OPT0720	FOUND VISION CARE Foundations of Vision Care	30, 31	/S	0.5	OPTOM ASST7 G TEC OPTICS7 G
OPT0721	OPTOMETRIC ASST 1 Optometric Assistant 1	30, 31	/Y	2.0	OPTOM ASST7 G TEC OPTICS7 G
OPT0722	OPTOMETRIC ASST 2 Optometric Assistant 2	30, 31	/Y	4.0	OPTOM ASST7 G TEC OPTICS7 G
H170800	ORTHOPEDIC TECH Orthopedic Technology	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PHT0090	ORTHOPEDIC TECH 1 Orthopedic Technologist 1	30, 31	/Y	2.0	ORTHO TEC 7 G RN ORTHO 7 G
PHT0091	ORTHOPEDIC TECH 2 Orthopedic Technologist 2	30, 31	/Y	2.0	ORTHO TEC 7 G RN ORTHO 7 G
H170212	PARAMEDIC - ATD Paramedic - ATD	30, 31	/		
EMS0210	PARAMEDIC 1 Paramedic 1	30, 31	/Y	1.5	PARAMEDIC@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
EMS0211	PARAMEDIC 2 Paramedic 2	30, 31	/Y	2.5	PARAMEDIC@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
EMS0212	PARAMEDIC 3 Paramedic 3	30, 31	/Y	2.5	PARAMEDIC@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE

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H170692	PATIENT CARE ASSIST Patient Care Assistant	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	30, 31	/S	0.5	REG NURSE 7 G PRAC NURS@7 %7 %G LPN 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0332	ADV HOME HEALTH AIDE Advanced Home Health Aide	30, 31	/Y		PRAC NURS@7 %7 %G REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0020	PATIENT CARE ASST Patient Care Assistant	30, 31	/S	0.5	PRAC NURS@7 %7 %G REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
H170694	PATIENT CARE TECH Patient Care Technician	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	30, 31	/S	0.5	REG NURSE 7 G PRAC NURS@7 %7 %G LPN 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0332	ADV HOME HEALTH AIDE Advanced Home Health Aide	30, 31	/Y		PRAC NURS@7 %7 %G REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0020	PATIENT CARE ASST Patient Care Assistant	30, 31	/S	0.5	PRAC NURS@7 %7 %G REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HSC0016	ALLIED HEALTH ASST Allied Health Assistant	30, 31	/Y	1.0	PRAC NURS@7 %7 %G REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
MEA0580	ADV ALL HEALTH ASST Advanced Allied Health Assistant	30, 31	/S	0.5	PRAC NURS@7 %7 %G REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PRN0094	PATIENT CARE TECH Patient Care Technician	30, 31	/Y		PRAC NURS@7 %7 %G REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8418200	PHARMACY TECHNICIAN Pharmacy Technician	9, 12	/		
8418210	PHARMACY TECH 1 Pharmacy Technician 1/Level 3	9-12	/Y	1.0	PHARMACY 7 G
8418220	PHARMACY TECH 2 Pharmacy Technician 2/Level 3	9-12	/Y	1.0	PHARMACY 7 G
8418230	PHARMACY TECH 3 Pharmacy Technician 3/Level 3	9-12	/Y	1.0	PHARMACY 7 G
8418240	PHARMACY TECH 4 Pharmacy Technician 4/Level 3	9-12	/Y	1.0	PHARMACY 7 G
8418250	PHARMACY TECH 5 Pharmacy Technician 5/Level 3	9-12	/Y	1.0	PHARMACY 7 G

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8418260	PHARMACY TECH 6 Pharmacy Technician 6/Level 3	9-12	/Y	1.0	PHARMACY 7 G
8418270	PHARMACY TECH 7 Pharmacy Technician 7/Level 3	9-12	/Y	1.0	PHARMACY 7 G
H170500	PHARMACY TECHNICIAN Pharmacy Technician	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0084	PHARMACY TECH 1 Pharmacy Technician 1	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0085	PHARMACY TECH 2 Pharmacy Technician 2	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0086	PHARMACY TECH 3 Pharmacy Technician 3	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
H170700	PHARMACY TECH - ATD Pharmacy Technician-- ATD	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0084	PHARMACY TECH 1 Pharmacy Technician 1	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0085	PHARMACY TECH 2 Pharmacy Technician 2	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0086	PHARMACY TECH 3 Pharmacy Technician 3	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8418400	PRACTICAL NURSING Practical Nursing	9-12	/		
8418410	PRAC NURSE FOUND 1A Practical Nursing Foundations 1A/ Level 3	9-12	/Y	1.0	REG NURSE 7 G LPN 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8418420	PRAC NURSE FOUND 1B Practical Nursing Foundations 1B/ Level 3	9-12	/Y	1.0	REG NURSE 7 G LPN 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8418430	PRAC NURSE FOUND 2A Practical Nursing Foundations 2A/ Level 3	9-12	/Y	1.0	REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8418440	PRAC NURSE FOUND 2B Practical Nursing Foundations 2B/ Level 3	9-12	/Y	1.0	REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8418450	MED SURG NURSE 1A Medical Surgical Nursing 1A/Level 3	9-12	/Y	1.0	REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8418460	MED SURG NURSE 1B Medical Surgical Nursing 1B/Level 3	9-12	/Y	1.0	REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8418470	MED SURG NURSE 2A Medical Surgical Nursing 2A/Level 3	9-12	/Y	1.0	REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8418480	MED SURG NURSE 2B Medical Surgical Nursing 2B/Level 3	9-12	/Y	1.0	REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8418490	COMP NURSING SKILLS Comprehensive Nursing and Transitional Skills/Level 3	9-12	/Y	1.0	REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE

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

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H170607	PRACTICAL NURSING Practical Nursing	30, 31	/		
PRN0098	PRAC NURSE FOUND 1 Practical Nurse Foundations 1	30, 31	/Y	2.0	REG NURSE 7 G PRAC NURS@7 LPN 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PRN0099	PRAC NURSE FOUND 2 Practical Nurse Foundations 2	30, 31	/Y	2.0	REG NURSE 7 G PRAC NURS@7 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PRN0290	MED SURGICAL NURSE 1 Medical Surgical Nurse 1	30, 31	/Y	2.0	REG NURSE 7 G PRAC NURS@7 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PRN0291	MED SURGICAL NURSE 2 Medical Surgical Nurse 2	30, 31	/Y	2.0	REG NURSE 7 G PRAC NURS@7 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PRN0690	COMP NURSING SKILLS Comprehensive Nursing and Transitional Skills	30, 31	/Y	1.0	REG NURSE 7 G PRAC NURS@7 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
H180100	MENTAL HEALTH TECH Psychiatric Technology	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	30, 31	/S	0.5	REG NURSE 7 G PRAC NURS@7 %7 %G LPN 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0810	MENTAL HEALTH TECH Mental Health Technician	30, 31	/Y	2.0	REG NURSE 7 G
H170211	SURGICAL TECHNOLOGY Surgical Technology	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
STS0015	CENTRAL SUPPLY TECH Central Supply Technician	30, 31	/Y	1.0	OPR RN 7 G OPR RM TE@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G SURG TECH 7 G
STS0010	SURGICAL TECH 1 Surgical Technologist 1	30, 31	/Y	2.0	OPR RN 7 G OPR RM TE@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G SURG TECH 7 G
STS0011	SURGICAL TECH 2 Surgical Technologist 2	30, 31	/Y	2.0	OPR RN 7 G OPR RM TE@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G SURG TECH 7 G

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STS0012	SURGICAL TECH 3 Surgical Technologist 3	30, 31	/Y	2.0	OPR RN 7 G OPR RM TE@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G SURG TECH 7 G
8417230	VISION CARE ASSIST Vision Care Assisting	9-12	/		
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y EQ	1.0	ANY HEALTH OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y	1.0	ANY HEALTH OCCUP G
8417231	VISION CARE ASSIST 3 Vision Care Assisting 3/Level 3	10-12	/Y	1.0	TEC OPTICS7 G
8417232	VISION CARE ASSIST 4 Vision Care Assisting 4/Level 3	10-12	/Y	1.0	TEC OPTICS7 G
DIAGNOSTIC SERVICES CAREER PATH (HLPB) -----					
8427100	ELECTROCARDIO TECH Electrocardiograph Technician	9-12	/		
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y EQ	1.0	ANY HEALTH OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y	1.0	ANY HEALTH OCCUP G
8427130	ELECTROCARDIO TECH 3 Electrocardiograph Technician 3/ Level 3	9-12	/Y	1.0	LAB TECH @7 7 G EKG 7 G REG NURSE 7 G PARAMEDIC@7 7 G MED ASST 7 G TEC X RAY@7 7 G RESP THER@7 7 G MED PROF 7 G PRAC NURS@7 %7 %G
H170208	EKG TECHNOLOGY Electrocardiograph Technology	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
MEA0540	EKG AIDE EKG Aide	30, 31	/S	0.5	EKG 7 G LAB TECH @7 7 G PARAMEDIC@7 7 G PRAC NURS@7 %7 %G RESP THER@7 7 G REG NURSE 7 G

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

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MEA0541	EKG TECHNICIAN EKG Techni ci an	30, 31	/Y	2.0	EKG 7 G LAB TECH 7 G PARAMEDIC@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G RESP THER@7 7 G
H170600	MED CLIN LAB--ATD Medical Clinical Laboratory Technician--ATD	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
MEA0520	PHLEBOTOMIST Phlebotomi st	30, 31	/S	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PHLEB 7 G
MLT0009	INTRO MED LAB TECH Introduction to Medical Laboratory Technology	30, 31	/S	0.5	
MLT0220	URIN & BODY FLUIDS Urinalysis and Body Fluids	30, 31	/S	0.5	
MLT0335	HEMATOLOGY & HEMOST Hematology and Hemostasis	30, 31	/Y	1.5	
MLT0505	IMMUNOLOGY Immunol ogy	30, 31	/Y		
MLT0640	CLINICAL CHEMISTRY Clinical Chemi stry	30, 31	/Y	1.5	
MLT0520	IMMUNOHEMATOLOGY Immunohematol ogy	30, 31	/Y	1.5	
MLT0450	MICROB & PARASIT Mi crobiol ogy and Parasi tol ogy	30, 31	/Y	1.5	
H170306	MEDICAL LAB ASSIST Medical Laboratory Assisting	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
MEA0520	PHLEBOTOMIST Phlebotomi st	30, 31	/S	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PHLEB 7 G
MEA0560	MEDICAL LAB ASST Medical Lab Assistant	30, 31	/Y	2.0	LAB TECH @7 7 G
H170302	PHLEBOTOMY Phl ebotomy	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
MEA0520	PHLEBOTOMIST Phl ebotomi st	30, 31	/S	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PHLEB 7 G
W170210	RADIOLOGIC TECH Radi ol ogi c Technol ogy	30, 31	/		
RTE0004	FUNDS/RADIOLOGIC TEC Fundamentals of Radi ol ogi c Technol ogy	30, 31	/S	0.5	TEC X RAY@7 7 G
RTE0410	RADIO IMAGE/EXP 1 Radi ol ogi c Imagi ng & Exposure 1	30, 31	/S	0.5	TEC X RAY@7 7 G

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					TEC	RAY@7	7 G
RTE0505	RADIO PROCEDURES 1 Radiologic Procedures 1	30, 31	/S	0.5	TEC X	RAY@7	7 G
RTE0809	CLINICAL EDUCATION 1 Clinical Education 1	30, 31	/Y	2.0	TEC X	RAY@7	7 G
RTE0450	RADIO IMAGE/EXP 2 Radiologic Imaging & Exposure 2	30, 31	/S	0.5	TEC X	RAY@7	7 G
RTE0506	RADIO PROCEDURES 2 Radiologic Procedures 2	30, 31	/S	0.5	TEC X	RAY@7	7 G
RTE0507	RADIO PROCEDURES 3 Radiologic Procedures 3	30, 31	/Y		TEC X	RAY@7	7 G
RTE0819	CLINICAL EDU 2 Clinical Education 2	30, 31	/Y	3.0	TEC X	RAY@7	7 G
RTE0015	ADV MODALITY IMAGE Advanced Modality Imaging	30, 31	/S		TEC X	RAY@7	7 G
RTE0780	RADIO PATH & RESEARCH Radiologic Pathology & Directed Research	30, 31	/S	0.5	TEC X	RAY@7	7 G
RTE0610	RADIATION PHYSICS Radiation Physics	30, 31	/S	0.5	TEC X	RAY@7	7 G
RTE0829	CLINICAL EDU 3 Clinical Education 3	30, 31	/Y	1.0	TEC X	RAY@7	7 G
RTE0839	ADV CLINICAL EDU 4 Advanced Clinical Education 4	30, 31	/Y	2.0	TEC X	RAY@7	7 G
RTE0380	RADIATION BIO & PRO Radiation Biology & Radiation Protection	30, 31	/S		TEC X	RAY@7	7 G
RTE0939	RADIOGRAPHY SEMINAR Radiography Seminar	30, 31	/Y	1.0	TEC X	RAY@7	7 G
RTE0849	ADV CLINICAL EDU 5 Advanced Clinical Education 5	30, 31	/Y	2.0	TEC X	RAY@7	7 G
HEALTH INFORMATICS CAREER PATH (HLPC)							
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8417280	HEALTH UNIT COOR Health Unit Coordinator	9-12	/				
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3	9-12	/Y	EQ	1.0	ANY HEALTH	OCCUP G
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y		1.0	ANY HEALTH	OCCUP G
8417281	HEALTH UNIT COOR 1 Health Unit Coordinator 1/Level 2	9-12	/Y		1.0	REG NURSE 7 G MED RECTEC7 G PRAC NURS@7 %7 %G	
8417282	HEALTH UNIT COOR 2 Health Unit Coordinator 2/Level 2	9-12	/Y		1.0	REG NURSE 7 G MED RECTEC7 G PRAC NURS@7 %7 %G	



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H170107	HEALTH UNIT/MONITOR Health Unit Coordinator/Monitor Technician	30, 31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HIM0076	HEALTH UNIT CLERK Health Unit Clerk	30, 31	/Y	2.5	MED RECTEC7 G REG NURSE 7 G
HIM0090	MONITOR TECHNICIAN Monitor Technician	30, 31	/S	0.5	MED RECTEC7 G REG NURSE 7 G
H170529	MEDICAL CODER/BILLER Medical Coder/Biller	30, 31	/		
HIM0009	INTRO TO H. I. T. Introduction to Health Information Technology	30, 31	/S	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HIM0091	MED CODER/BILLER 1 Medical Coder/Biller 1	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HIM0092	MED CODER/BILLER 2 Medical Coder/Biller 2	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HIM0093	MED CODER/BILLER 3 Medical Coder/Biller 3	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
H170530	MED CODER/BILLER-ATD Medical Coder/Biller-ATD	30, 31	/		
HIM0009	INTRO TO H. I. T. Introduction to Health Information Technology	30, 31	/S	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HIM0091	MED CODER/BILLER 1 Medical Coder/Biller 1	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HIM0092	MED CODER/BILLER 2 Medical Coder/Biller 2	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HIM0093	MED CODER/BILLER 3 Medical Coder/Biller 3	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
H170506	MED RCD/TRANS/HC DOC Medical Record Transcribing/Health care Documentation	30, 31	/		
HIM0009	INTRO TO H. I. T. Introduction to Health Information Technology	30, 31	/S	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HIM0074	MED TRANSCRIB 1 Medical Transcriber 1	30, 31	/Y	2.0	MED ASST 7 G MED RECTEC7 G MED TRANS 7 G
HIM0075	MED TRANSCRIB 2 Medical Transcriber 2	30, 31	/Y	2.0	MED ASST 7 G MED RECTEC7 G MED TRANS 7 G
HIM0081	MED TRANSCRIB 3 Medical Transcriber 3	30, 31	/Y	2.0	MED ASST 7 G MED RECTEC7 G MED TRANS 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						COURSES MEETING	SUBJECT AREA
H170508	MED RCD/HC DOC-ATD Medical Record Transcribing/Healthcare Documentation-ATD	30, 31	/				
HIM0009	INTRO TO H. I. T. Introduction to Health Information Technology	30, 31	/S	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
HIM0002	MED TRANSCRIB 1 ATD Medical Transcriber - ATD 1	30, 31	/Y	2.0			
HIM0083	MED TRANSCRIB 2 ATD Medical Transcriber - ATD 2	30, 31	/Y	2.0			
HIM0084	MED TRANSCRIB 3 ATD Medical Transcriber - ATD 3	30, 31	/Y	2.0			
BIOTECHNOLOGY RESEARCH & DEVELOPMENT CAREER PATH (HLPE)							
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8708100	BIOMEDICAL SCIENCES Biomedical Sciences	9-12	/				
8708110	PRIN BIOMED SCIENCES Principles of the Biomedical Sciences /Level 3	9-12	/Y	EQ	1.0	BI OLOGY 1 @2 MED PROF 7 G PARAMEDIC@7 7 G PLTW HEALT7 G REG NURSE 7 G LAB TECH 7 G	
8708120	HUMAN BODY SYSTEMS Human Body Systems/Level 3	9-12	/Y	EQ	1.0	BI OLOGY 1 @2 MED PROF 7 G PARAMEDIC@7 7 G PLTW HEALT7 G REG NURSE 7 G LAB TECH @7 7 G	
8708130	MED INTERVENTIONS Medical Interventions/Level 3	9-12	/Y	EQ	1.0	BI OLOGY 1 @2 MED PROF 7 G PARAMEDIC@7 7 G PLTW HEALT7 G REG NURSE 7 G LAB TECH @7 7 G	
8708140	BIOMED INNOVATION Biomedical Innovation/Level 3	9-12	/Y		1.0	BI OLOGY 1 @2 MED PROF 7 G PARAMEDIC@7 7 G PLTW HEALT7 G REG NURSE 7 G LAB TECH @7 7 G	
GENERAL HEALTH SCIENCE PROGRAMS							
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8400310	EXP HEALTH SCI PROF Exploration of Health Science Professions	6-8	/S		ANY HEALTH OCCUP G FAM CON SCI 1	HEALTH	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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					CREDIT	CERTIFICATION	
8400210	EXP HS PROF & C P Exploration Of Health Science Professions & Career Planning	6-8	/S		ANY HEALTH OCCUP G FAM CON SCI 1	HEALTH	6
8400410	HSE COOP - OJT Health Science Education Cooperative - OJT	10-12	/M	MULTIPLE	ANY HEALTH OCCUP G		
8400100	HSE DIR STUDY Health Science Education Directed Study	10-12	/M	MULTIPLE	ANY HEALTH OCCUP G		
8709350	INTRO HS CAREER PATH Introduction to Health Science Career Pathways	6-8	/S		ANY HEALTH OCCUP G		
8709360	INTRO HS CAR PATH/CP Introduction to Health Science Career Pathways and Career Planning	6-8	/S		ANY HEALTH OCCUP G		
8400320	MEDICAL SKLS SERS Medical Skills and Services/Level 2	9-12	/Y	1.0	ANY HEALTH OCCUP G HEALTH 6		
8400110	ORIENT HS PROFESSION Orientation to Health Science Professions	6-8	/S		HEALTH 6 ANY HEALTH OCCUP G		
8417106	ORIEN NUR Orientation to Nursing	6-8	/S		PRAC NURSE @7 %7 %G LPN 7 G	REG NURSE	7 G
8499990	HEALTH OCCS ED TRAN Health Occupations Education Transfer	9-12	/		NA		
H000000	HEALTH OCCS ED TRAN Health Occupations Education Transfer	30, 31	/		NA		

## |HOSPITALITY &amp; TOURISM CAREER CLUSTER|

## RESTAURANTS AND FOOD &amp; BEVERAGE SERVICES CAREER PATH (HTPA)

N100600	BAKING & PASTRY ARTS Baking and Pastry Arts	30, 31	/				
FSS0090	PASTRY COOK/BAKER Pastry Cook/Baker	30, 31	/Y	2.0	CULINARY 7 G FAM CON SC1		
FSS0091	PASTRY CHEF/HD BAKER Pastry Chef/Head Baker	30, 31	/Y	2.0	CULINARY 7 G FAM CON SC1		

## 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
8800500	CULINARY ARTS Culinary Arts	9-12	/		
8800510	CULINARY ARTS 1 Culinary Arts 1/Level 2	9-12	/Y	1.0	CULINARY 7 G FAM CON SC1
8800520	CULINARY ARTS 2 Culinary Arts 2/Level 2	9-12	/Y PA	1.0	CULINARY 7 G FAM CON SC1
8800530	CULINARY ARTS 3 Culinary Arts 3/Level 3	9-12	/Y PA	1.0	CULINARY 7 G FAM CON SC1
8800540	CULINARY ARTS 4(1) Culinary Arts 4(Track 1)/Level 3	9-12	/Y	1.0	CULINARY 7 G FAM CON SC1
8800550	CULINARY ARTS 4(2) Culinary Arts 4(Track 2)/Level 3	9-12	/Y	1.0	CULINARY 7 G FAM CON SC1
8800560	CULINARY ARTS 4(3) Culinary Arts 4(Track 3)/Level 3	9-12	/Y	1.0	CULINARY 7 G FAM CON SC1
N100520	FUND FOODSERVICE Fundamental Foodservice Skills	30, 31	/		
HMV0101	INTRO TO FOOD PREP Introduction to Food Prep	30, 31	/Y	2.0	CULINARY 7 G FAM CON SC1
HMV0102	COOKING METHODS Cooking Methods and Techniques	30, 31	/Y	2.0	CULINARY 7 G FAM CON SC1
N100500	PROF CULINARY ARTS Professional Culinary Arts & Hospitality	30, 31	/		
HMV0100	FOOD PREPARATION Food Preparation	30, 31	/Y	2.0	CULINARY 7 G FAM CON SC1
HMV0170	COOK - RESTAURANT Cook - Restaurant	30, 31	/Y	2.0	CULINARY 7 G FAM CON SC1
HMV0171	CHEF/HEAD COOK Chef/Head Cook	30, 31	/Y	2.0	CULINARY 7 G FAM CON SC1
HMV0126	FOOD SERVICE MGMT Food Service Management	30, 31	/Y	2.0	CULINARY 7 G FAM CON SC1
N100510	CULINARY VEG & PLANT Vegetarian and Plant Based Specialty	30, 31	/		
FSS0211	VEGETARIAN FOOD PREP Vegetarian Food Preparation	30, 31	/Y	2.0	CULINARY 7 G FAM CON SC1
FSS0212	VEGETARIAN COOK: REST Vegetarian Cook: Restaurant	30, 31	/Y	2.0	CULINARY 7 G FAM CON SC1
LODGING CAREER PATH (HTPB)					
N900100	DIET MGMT & SUPER Dietetic Management and Supervision	30, 31	/		
FSS0095	DIETARY MANAGER Dietary Manager	30, 31	/Y	2.0	FAM CON SC1 SC FOOD SV7 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
V200610	ENVIRONMENTAL SERS Environmental Services	30, 31	/		
HEV0510	JANITORS/CLEANERS Janitors/Cleaners	30, 31	/Y	1.0	BLDG MAIN@7 7 G CUSTODIAL@7 7 G FAM CON SC1 HME EC OCC7
HEV0511	SUPERVISOR, JANITOR Supervisor, Janitors	30, 31	/Y	1.0	BLDG MAIN@7 7 G CUSTODIAL@7 7 G FAM CON SC1 HME EC OCC7
M607010	LODGING OPERATIONS Lodging Operations	30, 31	/		
HMV0740	GUEST SERVICES AGENT Guest Services Agent	30, 31	/Y	1.0	BUS ED 1 @2 FAM CON SC1 HOTEL TRNG7 G MKTG 1 @2 MKTG MGMT 7 G TC COOP E@7 TRANSPORT 7 G
HMV0201	FRONT DESK AGENT Front Desk Agent	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE BUS ED 1 @2 FAM CON SC1 HOTEL TRNG7 G MKTG 1 @2 MKTG MGMT 7 G TC COOP E@7 TRANSPORT 7 G
HMV0202	LODGING MANAGERS Lodging Managers	30, 31	/Y	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE BUS ED 1 @2 FAM CON SC1 HOTEL TRNG7 G MKTG 1 @2 MKTG MGMT 7 G TC COOP E@7 TRANSPORT 7 G
N300100	NUTRIT & DIET CLERK Nutrition and Dietetic Clerk	30, 31	/		
HEV0612	NUT & DIET CLERK Nutrition and Dietetic Clerk	30, 31	/Y	2.0	FAM CON SC1 SC FOOD SV7 G
8801100	NUTRITION & FOOD SCI Nutrition and Food Science	9-12	/		
8801101	NUTRITION & FOOD SCI Nutrition and Food Science/Level 2	9-12	/Y	1.0	FAM CON SC1 CULINARY 7 G ANY HEALTH OCCUP 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						COURSES MEETING	SUBJECT AREA

## TRAVEL &amp; TOURISM CAREER PATH (HTPC)

8703100	HOSP & TOURISM MGMT Hospitality and Tourism	9-12	/				
8850110	INTROD TO HOS & TOUR Introduction to Hospitality and Tourism/Level 2	9-12	/Y	1.0	BUS ED 1 @2 FAM CON SC1 HOTEL TRNG7 G MKTG 1 @2 MKTG MGMT@7 7 G TC COOP E@7 TRANSPORT 7 G		
8703110	TECH FOR HOSP & TOUR Technology for Hospitality and Tourism/Level 2	9-12	/Y	1.0	BUS ED 1 @2 FAM CON SC1 HOTEL TRNG7 G MKTG 1 @2 MKTG MGMT@7 7 G TC COOP E@7 TRANSPORT@7 7 G		
8703120	HOSP & TOUR MKT MGMT Hospitality and Tourism Marketing Management/Level 3	9-12	/Y	1.0	BUS ED 1 @2 FAM CON SC1 HOTEL TRNG7 G MKTG 1 @2 MKTG MGMT@7 7 G TC COOP E@7 TRANSPORT@7 7 G		
8845130	HOS & TOUR INTERN Hospitality and Tourism Internship /Level 2	9-12	/Y	1.0	BUS ED 1 @2 FAM CON SC1 HOTEL TRNG7 G MKTG 1 @2 MKTG MGMT@7 7 G TC COOP E@7 TRANSPORT 7 G		
8703130	HOSP & TOUR ENTREPRE Hospitality and Tourism Entrepreneurship/Level 3	9-12	/Y	1.0	BUS ED 1 @2 FAM CON SC1 HOTEL TRNG7 G MKTG 1 @2 MKTG MGMT@7 7 G TC COOP E@7 TRANSPORT@7 7 G		
M811040	HOSPITALITY & TOURISM Hospitality and Tourism	30, 31	/				
HMV0740	GUEST SERVICES AGENT Guest Services Agent	30, 31	/Y	1.0	BUS ED 1 @2 FAM CON SC1 HOTEL TRNG7 G MKTG 1 @2 MKTG MGMT 7 G TC COOP E@7 TRANSPORT 7 G		

SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE 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	/Y	CREDIT	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS		CERTIFICATION
HMV0741	RESV & SALES AGENT Reservation and Sales Agent	30, 31	/Y	2.0	BUS ED 1 @2 FAM CON SCI HOTEL TRNG 7 G MKTG 1 @2 MKTG MGMT 7 G TC COOP E@7 TRANSPORT 7 G		
HMV0038	MEET, CONV, EVENT PLAN Meeting, Convention and Event Planners	30, 31	/Y	1.0	BUS ED 1 @2 FAM CON SCI HOTEL TRNG 7 G MKTG 1 @2 MKTG MGMT 7 G TC COOP E@7 TRANSPORT 7 G	FRAMEWORK FOR SPECIFIC CTE COVERAGE	
GENERAL PROGRAMS							
8850350	EXPL HOSP & TOUR Exploring Hospitality and Tourism Careers	6-8	/S		FAM CON SCI 1		HOTEL TRNG 7 G
8850360	EXPL HOSP & TOUR/CP Exploring Hospitality and Tourism Careers and Career Planning	6-8	/S		FAM CON SCI 1		HOTEL TRNG 7 G
8809200	FUND OF CUL CAREERS Fundamentals of Culinary Careers	6-8	/S		CULINARY 7 G		FAM CON SCI 1
8809300	FUND OF CUL CAR & CP Fundamentals of Culinary Careers and Career Planning	6-8	/S		CULINARY 7 G		FAM CON SCI 1
8800420	HOSP & TOUR OJT Hospitality and Tourism Cooperative Education OJT	9-12	/M	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
8801000	HOSP & TOUR DIR ST Hospitality and Tourism Directed Study	11-12	/M	MULTIPLE	ANY HOME ECONOMICS ED G CULINARY 7 G HOTEL TRNG 7 G MKTG MGMT @7 7 G PRIMARY ED @B TC COOP ED @7		FAM CON SCI 1 MKTG 1 @2 PK PRIMARY H SC FOOD SV 7 G
8500355	NUTRITION & WELLNESS Nutrition and Wellness/Level 2	9-12	/S	0.5	CULINARY 7 G		FAM CON SCI 1
8500390	PRIN OF FOOD PREP Principles of Food Preparation/ Level 2	9-12	/S	0.5	CULINARY 7 G		FAM CON SCI 1

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

## |HUMAN SERVICES CAREER CLUSTER|

## FAMILY &amp; COMMUNITY SERVICES CAREER PATH (HMPC)

8500365	FAM & CONS SCI (FACS) Family and Consumer Science (FACS)/ Level 2	9-12 /Y		1.0 CULINARY 7 G FASH TECH 7 G PRESCH ED L	FAM CON SCI 1 INT DES 7 G
8500345	FAMILY DYNAMICS Family Dynamics/Level 2	9-12 /S		0.5 FAM CON SCI 1	
8502000	LIF MGMT SKL Life Management Skills/Level 2	9-12 /S		0.5 FAM CON SCI 1 PRAC NURSE @7 %7 %G	HEALTH 6 REG NURSE 7 G
8500300	PARENTING SKILLS Parenting Skills/Level 2	9-12 /S		0.5 E CHILD ED @0 PK PRIMARY H PRIMARY ED @B	FAM CON SCI 1 PRESCH ED L

## PERSONAL CARE SERVICES CAREER PATH (HMPD)

D500200	ADVANCED ESTHETICS Advanced Esthetics	30, 31 /			
CSP0105	ADV SKIN CARE 1 Advanced Skin Care 1	30, 31 /Y		1.0 COSMETOL @7 7 G FACIAL TEC7 G	
CSP0106	ADV SKIN CARE 2 Advanced Skin Care 2	30, 31 /Y		1.0 COSMETOL @7 7 G FACIAL TEC7 G	
CSP0264	FACIAL TREATMENTS Facial Treatments	30, 31 /Y		1.0 COSMETOL @7 7 G FACIAL TEC7 G	
CSP0930	SPECIALTY TOPICS Specialty Topics	30, 31 /S		COSMETOL @7 7 G FACIAL TEC7 G	
CSP0505	ETHICAL BUS PRACTICE Ethical Business Practices	30, 31 /S		COSMETOL @7 7 G FACIAL TEC7 G	
CSP0940	INTERNSHIP Internship	30, 31 /S		COSMETOL @7 7 G FACIAL TEC7 G	



PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8757100	BARBERING Barbering	9-12	/		
8757110	BARBERING 1 Barbering 1/Level 2	9-12	/Y PA	1.0	BARBERING 7 G
8757120	BARBERING 2 Barbering 2/Level 2	9-12	/Y PA	1.0	BARBERING 7 G
8757130	BARBERING 3 Barbering 3/Level 2	9-12	/Y	1.0	BARBERING 7 G
8757140	BARBERING 4 Barbering 4/Level 2	9-12	/Y	1.0	BARBERING 7 G
8757150	BARBERING 5 Barbering 5/Level 2	9-12	/Y	1.0	BARBERING 7 G
8757160	BARBERING 6 Barbering 6/Level 2	9-12	/Y	1.0	BARBERING 7 G
8757170	BARBERING 7 Barbering 7/Level 2	9-12	/Y PA	1.0	BARBERING 7 G
8757180	BARBERING 8 Barbering 8/Level 2	9-12	/Y PA	1.0	BARBERING 7 G
<sup>a</sup> I120402	BARBERING Barbering	30, 31	/		
<sup>a</sup> COS0150	BARBER 1 Barber 1	30, 31	/Y	2.0	BARBERING 7 G
<sup>a</sup> COS0151	BARBER 2 Barber 2	30, 31	/Y	2.0	BARBERING 7 G
<sup>a</sup> COS0152	BARBER 3 Barber 3	30, 31	/Y	2.0	BARBERING 7 G
<sup>a</sup> COS0671	BARBER Barber	30, 31	/Y	2.0	BARBERING 7 G
I120403	BARBERING Barbering	30, 31	/		
COS0160	BARBER 1A Barber 1A	30, 31	/Y	2.0	BARBERING 7 G
COS0161	BARBER 2A Barber 2A	30, 31	/Y	1.0	BARBERING 7 G
COS0162	BARBER 3A Barber 3A	30, 31	/Y	2.0	BARBERING 7 G
COS0163	BARBER 4A Barber 4A	30, 31	/Y	1.0	BARBERING 7 G
8905100	COSMETOLOGY Cosmetology	9-12	/		
8757210	GROOM & SAL SERS 1 Grooming and Salon Services Core 1/ Level 2	9-12	/S PA	0.5	COSMETOL @7 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8905120	COSMETOLOGY NAILS 2 Cosmetology Nails 2, Level 2	9-12	/S PA	0.5	COSMETOL @7 7 G
8905130	COSMETOLOGY FACIALS Cosmetology Facials 3/Level 2	9-12	/S PA	0.5	COSMETOL @7 7 G
8905140	COSMETOLOGY 4 Cosmetology 4/Level 2	9-12	/Y PA	1.0	COSMETOL @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			
8905150	COSMETOLOGY 5 Cosmetology 5/Level 2	9-12	/Y	PA	1.0	COSMETOL @7 7 G
8905160	COSMETOLOGY 6 Cosmetology 6/Level 2	9-12	/Y	PA	1.0	COSMETOL @7 7 G
8905170	COSMETOLOGY 7 Cosmetology 7/Level 2	9-12	/Y	PA	1.0	COSMETOL @7 7 G
8905180	COSMETOLOGY 8 Cosmetology 8/Level 2	9-12	/Y	PA	1.0	COSMETOL @7 7 G
8905190	COSMETOLOGY 9 Cosmetology 9/Level 2	9-12	/M	PA	1.5	COSMETOL @7 7 G
D500100	COSMETOLOGY Cosmetology	30, 31	/			
CSP0009	GROOM & SALON SRV CR Grooming and Salon Services, (CORE) Facials and Nails	30, 31	/Y		1.5	COSMETOL @7 7 G
COS0002	COSMETOLOGIST 1 Cosmetologist 1	30, 31	/Y		2.0	COSMETOL @7 7 G
COS0003	COSMETOLOGIST 2 Cosmetologist 2	30, 31	/Y		2.0	COSMETOL @7 7 G
COS0009	COSMETOLOGIST 3 Cosmetologist 3	30, 31	/Y		2.5	COSMETOL @7 7 G
8733000	DRY CLEAN & LAUNDRY Dry Cleaning and Laundering	9-12	/			
8733010	DRY CLEAN & LAUND 1 Dry Cleaning and Laundering 1/Level 2	9-12	/Y		1.0	DRY CLEAN 7 G FAB MAINT@7 7 G
8733020	DRY CLEAN & LAUND 2 Dry Cleaning and Laundering 2/Level 2	9-12	/Y		1.0	DRY CLEAN 7 G FAB MAINT@7 7 G
8733030	DRY CLEAN & LAUND 3 Dry Cleaning and Laundering 3/Level 2	9-12	/Y		1.0	DRY CLEAN 7 G FAB MAINT@7 7 G
8757400	FACIALS SPECIALTY Facials Specialty	9-12	/			
8757210	GROOM & SAL SERS 1 Grooming and Salon Services Core 1/ Level 2	9-12	/S	PA	0.5	COSMETOL @7 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8757410	FACIALS SPECIALTY 2 Facials Specialty 2/Level 2	9-12	/S		0.5	COSMETOL @7 7 G FACIAL TEC7 G
8757420	FACIALS SPECIALTY 3 Facials Specialty 3/Level 2	9-12	/Y		1.0	COSMETOL @7 7 G FACIAL TEC7 G
I120425	FACIALS SPECIALTY Facials Specialty	30, 31	/			
CSP0266	FACIALS SPECIALISTS Facials Specialists	30, 31	/Y		2.0	COSMETOL @7 7 G FACIAL TEC7 G
8757300	NAILS SPECIALTY Nails Specialty	9-12	/			
8757210	GROOM & SAL SERS 1 Grooming and Salon Services Core 1/ Level 2	9-12	/S	PA	0.5	COSMETOL @7 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE 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	
8757310	NAILS SPECIALTY 2 Nails Specialty 2/Level 2	9-12	/S	0.5	COSMETOL @7	7 G
8757320	NAILS SPECIALTY 3 Nails Specialty 3/Level 2	9-12	/Y	1.0	NAIL TEC 7	7 G
I120415	NAILS SPECIALTY Nails Specialty	30, 31	/			
CSP0016	MANI & PEDI SPEC Manicure and Pedicure Specialist	30, 31	/Y	2.0	COSMETOL @7	7 G
8907100	PERSONAL TRAINER Personal Trainer	9-12	/			
8907110	PERSONAL TRAINER 1 Personal Trainer 1/Level 2	9-12	/Y	1.0	PERS FIT T7	G
8907120	PERSONAL TRAINER 2 Personal Trainer 2/Level 2	9-12	/Y	1.0	PERS FIT T7	G
8907130	PERSONAL TRAINER 3 Personal Trainer 3/Level 2	9-12	/Y	1.0	PERS FIT T7	G
8907140	PERSONAL TRAINER 4 Personal Trainer 4/Level 2	9-12	/Y	1.0	PERS FIT T7	G
CONSUMER SERVICES CAREER PATH (HMPE)						
8500140	CAREER DISCOVERY Career Discovery	6-8	/S		FAM CON SCI	1
SUPPLEMENTAL PROGRAMS						
8960370	EX FAM & CON SCI Exploring Family and Consumer Sciences (FACS)	6-8	/S		CULINARY FASH TECH PRESCH ED	7 G 7 G L
8960300	FUND OF HUMAN SERV Fundamentals of Human Service Careers	6-8	/S		FAM CON SCI	1
8900420	HUMAN SERVICES OJT Human Services Cooperative Education OJT	9-12	/M	MULTIPLE	BARBERING FAM CON SCI	7 G 1
8901000	HUMAN SERVICES DS Human Services Directed Study	11-12	/M	MULTIPLE	BARBERING FAM CON SCI	7 G 1
8960350	INTRO HUMAN SERVICES Introduction to Human Service Careers	6-8	/S		FAM CON SCI	1
8960360	INTRO HUMAN SER/CP Introduction to Human Service Careers and Career Planning	6-8	/S		FAM CON SCI	1

## 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		
8500230	PERSONAL DEVELOPMENT Personal Development	6-8	/S		FAM CON SCI	1	HEALTH	6
8500430	PERSONAL DEV&CAR&CP Personal Development and Career Planning	6-8	/S		FAM CON SCI	1	HEALTH	6
8599990	FAM & CONS SCI TRAN Family and Consumer Sciences Transfer	9-12	/		NA			
V000000	FAM & CONS SCI TRAN Family and Consumer Sciences Transfer	30, 31	/		NA			

## |INFORMATION TECHNOLOGY (IT) CAREER CLUSTER|

## NETWORK SYSTEMS CAREER PATH (ITPA)

9001300	APPLD CYBERSECURITY Applied Cybersecurity	9-12	/					
9001310	IT FUNDAMENTALS IT Fundamentals/Level 2	9-12	/Y		1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G		
9001320	CPT & NET SECURITY Computer and Network Security Fundamentals/Level 3	9-12	/Y		1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G		
9001330	CYBERSECURITY ESSEN Cybersecurity Essentials/Level 3	9-12	/Y		1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G		
9001340	OPERATIONAL CYBERSEC Operational Cybersecurity/Level 3	9-12	/Y		1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CERTIFICATION
9001350	CYBER PLAN & ANLY Cybersecurity Planning & Analysis/ Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
9001360	DATABASE SECURITY Database Security/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
9001370	SOFT & APP SECURITY Software and Application Security/ Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
9001380	WEB SECURITY Web Security/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
9001390	APPLD CYBERSEC APPS Applied Cybersecurity Applications/ Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
Y100300	APPLD CYBERSECURITY Applied Cybersecurity	30, 31	/			
CTS0018	CYBERSECURITY ASSC Cybersecurity Associate	30, 31	/Y	4.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
CTS0019	INFO SECURITY MGR Information Security Manager	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
CTS0021	DATA SECURITY SPEC Data Security Specialist	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
CTS0060	SOFT SECURITY SPEC Software Security Specialist	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
CTS0085	WEB SECURITY SPEC Web Security Specialist	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
CTS0089	INFO SECURITY ADMIN Information Security Administrator	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING			CERTIFICATION
					COURSES MEETING			
9001500	CLOUD CPT/VIRTUALIZA Cloud Computing and Virtualization	9-12	/					
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7	7 G	
						BANK FINC@7	7 G	
						BUS ED 1 @2		
						COMM ART @7	7 G	
						COMP PROG 7	G	
						COMPU SCI 6		
						CYBER TECH7	G	
						INFO TECH 7	G	
						MANAG SUPV7	G	
						MKTG 1 @2		
						MKTG MGMT 7	G	
						WEB DEV 7	G	
9001510	CPT ENG & SUPPORT Computer Engineering & Support/ Level 3	9-12	/Y		1.0	BUS ED 1 @2		
						COMPU SCI 6		
9001520	NETWORK ENG & SPT Network Engineering & Support/Level 3	9-12	/Y		1.0	BUS ED 1 @2		
						COMPU SCI 6		
9001530	ESS OF CLOUD TECH Essentials of Cloud Technology/ Level 3	9-12	/Y		1.0	BUS ED 1 @2		
						COMPU SCI 6		
9001540	BASICS OF CLOUD CPT Basics of Cloud Computing & Virtualization/Level 3	9-12	/Y		1.0	BUS ED 1 @2		
						COMPU SCI 6		
9001550	ADV CLOUD CPT/VIRT Advanced Cloud Computing & Virtualization/Level 3	9-12	/Y		1.0	BUS ED 1 @2		
						COMPU SCI 6		
Y100400	CLOUD CPT/VIRTUALIZA Cloud Computing and Virtualization	30, 31	/					
0TA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y	PA	1.0	ACCTING @7	7 G	
						ADMIN ASST7	G	
						BUS ED 1 @2		
						COMM ART @7	7 G	
						COMP PROG 7	G	
						COMPU SCI 6		
						INFO TECH 7	G	
						MANAG SUPV7	G	
EEV0504	CPT SUPPORT ASST Computer Support Assistant	30, 31	/Y		1.0	INFO TECH 7	G	
						COMPU SCI 6		
						COMP SVC 7	G	
						BUS ED 1 @2		
						CYBER TECH7	G	
CTS0026	NETWORK SUPPORT TECH Network Support Technician	30, 31	/Y		1.0	BUS ED 1 @2		
						COMP SVC 7	G	
						COMPU SCI 6		
						INFO TECH 7	G	
						CYBER TECH7	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
CTS0054	CLOUD ANALYSIS Cloud Analysis	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G INFO TECH 7 G
CTS0056	CLOUD VIRTUAL SPEC Cloud Virtualization Specialist	30, 31	/Y	2.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G INFO TECH 7 G
9001200	CPT SYS & INFO TECH Computer Systems & Information Technology (CSIT)	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
9001210	CSIT FOUNDATIONS Computer Systems & Information Technology (CSIT) Foundations/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G
9001220	CSIT SYS ESSENTIALS Computer Systems & Information Technology System Essentials/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G
9001230	CSIT NET SYS CONFIG CSIT Network Systems Configuration/ Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G
9001240	CSIT NET SYS DSG/ADM CSIT Network Systems Design and Administration/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
9001250	CSIT CYBER SEC ESSEN CSIT Cyber Security Essentials/ Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G
9001260	CSIT CYBER SEC-PHYS CSIT Cyber Security-Physical/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G
Y100200	CPT SYS & INFO TECH Computer Systems & Information Technology (CSIT)	30, 31	/		
CTS0082	CPT SYSTEMS TECH Computer Systems Technician	30, 31	/Y	2.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G
CTS0083	CPT NETWORK TECH Computer Network Technician	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G
CTS0084	CPT NETWORK SPEC Computer Networking Specialist	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G
CTS0069	CPT SECURITY TECH Computer Security Technician	30, 31	/Y	2.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					COURSES MEETING	SUBJECT AREA	
9005100	DIGITAL MEDIA TECH Digital Media Technology	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
9005110	DIG MEDIA FUNDAMENTA Digital Media Fundamentals/Level 3	9-12	/Y	PA	1.0	BUS ED 1 @2 DIGI MEDIA7 G INFO TECH 7 G	
9005120	DIG MEDIA PROD SYS Digital Media Production Systems/ Level 3	9-12	/Y	PA	1.0	BUS ED 1 @2 DIGI MEDIA7 G INFO TECH 7 G	
9005130	DIG MEDIA DELIVERY Digital Media Delivery Systems/ Level 3	9-12	/Y	PA	1.0	BUS ED 1 @2 DIGI MEDIA7 G INFO TECH 7 G	
9005140	ADV DIG MEDIA SYS Advanced Digital Media Systems/ Level 3	9-12	/Y	PA	1.0	BUS ED 1 @2 DIGI MEDIA7 G INFO TECH 7 G	
Y500100	DIGITAL MEDIA TECH Digital Media Technology	30, 31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y	PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G	
DIG0080	DIGITAL MEDIA TECH Digital Media Technician	30, 31	/Y		4.0	BUS ED 1 @2 DIGI MEDIA7 G INFO TECH 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	SUBJECT MEETING GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						COURSE LEVEL	COURSE LENGTH
8208000	NETWORK SUPPORT SERS Network Support Services	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0		ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
8207020	NETWORKING 1 Networking 1/Level 2	9-12	/Y	1.0		BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G	
8207030	NETWORKING 2 INFRAS Networking 2, Infrastructure/Level 3	9-12	/Y	1.0		BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 CYBER TECH7 G INFO TECH 7 G	
8207040	NETWORKING 3 INFRAS Networking 3, Infrastructure/Level 3	9-12	/Y	1.0		BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 CYBER TECH7 G	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8207050	NETWORKING 4 INFRAS Networking 4, Infrastructure/Level 3	9-12	/Y	1.0	INFO TECH 7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 CYBER TECH7 G INFO TECH 7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G
8207060	NETWORKING 5 Networking 5/Level 3	9-12	/Y	1.0	INFO TECH 7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G
8207070	NETWORKING 6 Networking 6/Level 3	9-12	/Y	1.0	INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G
B078000	NETWORK SUPPORT SERS Network Support Services	30, 31	/		
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G

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

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EEV0504	CPT SUPPORT ASST Computer Support Assistant	30, 31	/Y	1.0	INFO TECH 7 G COMPU SCI 6 COMP SVC 7 G BUS ED 1 @2 CYBER TECH7 G	
CTS0022	NET SPT HELP DESK AS Network Support Help Desk Assistant	30, 31	/Y	1.0	BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G	
CTS0023	NET SPT ADMIN Network Support Administrator	30, 31	/Y	1.0	BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G	
CTS0024	SR NET ADMINISTRATOR Senior Network Administrator	30, 31	/Y	1.0	BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G	
CTS0029	WI RELESS NET ADMIN Wireless Network Administrator	30, 31	/Y	1.0	BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G CYBER TECH7 G	
EEV0317	DATA COMM ANALYST Data Communications Analyst	30, 31	/Y	1.0	BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G CYBER TECH7 G	
8207440	NETWORK SYSTEM ADMIN Network Systems Administration	9-12	/			
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	1.0	PA ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
8207020	NETWORKING 1 Networking 1/Level 2	9-12	/Y	1.0	BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7	

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8207441	NETWORKING 2 ADMIN Networking 2, Administration/Level 3	9-12 /Y		1.0	TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 @G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7
8207442	NETWORKING 3 ADMIN Networking 3, Administration/Level 3	9-12 /Y		1.0	TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 @G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7
8207443	NETWORKING 4 ADMIN Networking 4, Administration/Level 3	9-12 /Y		1.0	TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 @G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7
8207060	NETWORKING 5 Networking 5/Level 3	9-12 /Y		1.0	TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 @G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 VOE @7 INFO TECH 7 G CYBER TECH7 G BOOKKEEPI@4 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMP SVC 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						TEC ELEC \$7	VOE @7
8207070	NETWORKING 6 Networking 6/Level 3	9-12	/Y	1.0	G	INFO TECH 7	G
						CYBER TECH7	G
						BOOKKEEPI@4	7
						BUS DP @7	%G
						BUS ED 1	@2
						CLERICAL @7	7
						COMP SVC 7	G
						COMPU SCI 6	
						ELECT DP @7	%G
						SECRETAR 7	G
						TC COOP E@7	
						TEC ELEC \$7	
						VOE @7	
INFO TECH 7	G						
CYBER TECH7	G						
B079300	NETWORK SYSTEM ADMIN Network Systems Admi nistration	30, 31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assi stant	30, 31	/Y	PA	1.0	ACCTING @7	7
						ADMIN ASST7	G
						BUS ED 1	@2
						COMM ART @7	7
						COMP PROG 7	G
						COMPU SCI 6	
INFO TECH 7	G						
EEV0504	CPT SUPPORT ASST Computer Support Assi stant	30, 31	/Y	1.0	MANAG SUPV7	G	
					INFO TECH 7	G	
					COMPU SCI 6		
					COMP SVC 7	G	
					BUS ED 1	@2	
CTS0026	NETWORK SUPPORT TECH Network Support Techni cian	30, 31	/Y	1.0	CYBER TECH7	G	
					BUS ED 1	@2	
					COMP SVC 7	G	
					COMPU SCI 6		
CTS0027	SYSTEMS ADMIN Systems Admi ni strator	30, 31	/Y	1.0	INFO TECH 7	G	
					CYBER TECH7	G	
					BUS ED 1	@2	
					COMP SVC 7	G	
					COMPU SCI 6		
CTS0028	SYSTEMS ENGINEER Systems Engi neer	30, 31	/Y	1.0	INFO TECH 7	G	
					CYBER TECH7	G	
					BUS ED 1	@2	
					COMP SVC 7	G	
					COMPU SCI 6		
CTS0029	WI RELESS NET ADMIN Wi rel ess Network Admi ni strator	30, 31	/Y	1.0	INFO TECH 7	G	
					CYBER TECH7	G	
					BUS ED 1	@2	
					COMP SVC 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING SUBJECT AREA	CERTIFICATION
EEV0317	DATA COMM ANALYST Data Communications Analyst	30, 31	/Y	1.0	CYBER TECH7 G BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G CYBER TECH7 G	
9001400	TECH SUPPORT SERVICE Technology Support Services	9-12	/			
9001410	IT ESSENTIALS Information Essentials/Level 2	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G	
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
9001420	TECH SUPPORT-CLIENT Technology Support - Client Systems /Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G	
9001430	TECH SUPPORT-NETWORK Technology Support - Network Systems /Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G	
9001440	TECH SUPPORT-SPZD TE Technology Support - Specialized Technologies/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G	
Y100100	TECH SUPPORT SERVICE Technology Support Services	30, 31	/			
CTS0059	TECH SUPPORT SPEC Technology Support Specialist	30, 31	/Y	4.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G	
INFORMATION SUPPORT & SERVICES CAREER PATH (ITPB)						
9003400	APPLIED INFO TECH Applied Information Technology	9-12	/			
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G	

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					INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G BUS ED 1 @2
9003410	COMPUTER FUNDAMENTAL Computer Fundamentals/Level 2	9-12	/Y PA	1.0	COMPU SCI 6 INFO TECH 7 G
9003420	WEB TECHNOLOGIES Web Technologies/Level 3	9-12	/Y PA	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
9003430	IT SYS & APPS IT Systems & Applications/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
9003440	DATABASE ESSENTIALS Database Essentials/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
9003450	PROG ESSENTIALS Programming Essentials/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
9003460	WEB DEV TECH Web Development Technologies/Level 3 OR	9-12	/Y PA	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
9003470	MULTIMEDIA TECH Multimedia Technologies/Level 3	9-12	/Y PA	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
9003480	CPT NETWK FUND Computer Network Fundamentals/Level 3 OR	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
9003490	CYBERSECURITY FUND Cybersecurity Fundamentals/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
Y300400	APPLIED INFO TECH Applied Information Technology	30, 31	/		
0TA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G
CTS0072	IT & WEB SYSTEMS IT & Web Systems	30, 31	/Y	2.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
CTS0063	DATABASE ESSENTIALS Database Essentials	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
CTS0030	PROGRAMMING FUNDS Programming Fundamentals	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G



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CTS0073	WEB DEVELOP FUNDS Web Development Fundamentals	30, 31	/Y PA	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
CTS0075	MULTIMEDIA SYSTEMS Multimedia Systems	30, 31	/Y PA	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
CTS0025	COMPUTER NETWORKING Computer Networking	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
CTS0068	CYBERSECURITY ESSEN Cybersecurity Essentials	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G
8206400	DATABASE PGM ESSEN Database and Programming Essentials	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
8206410	DATABASE FUND Database Fundamentals/Level 2	11-12	/S	0.5	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8206420	DATA CONTROL & FUNC Data Control and Functions/Level 2	11-12	/S	0.5	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8206430	SPELZD DATAB PRGM Specialized Database Programming/ Level 3	11-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8206440	SPELZD DATAB APPS Specialized Database Applications/ Level 3	11-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE

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PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CERTIFICATION
Y300600	ENTERPRISE DESKTOP Enterprise Desktop and Mobile Support Technology	30, 31	/			
CTS0000	CPT HARDWARE FUND Computer Hardware Fundamentals	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@7 7	G
CTS0001	OPERATING SYS FUND Operating System Fundamentals	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@7 7	G
CTS0002	ADV OPERATING SYSTEM Advanced Operating Systems	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@7 7	G
CTS0003	MOBILE SECURITY FUND Mobile-Security-Domain Environment Fundamentals	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@7 7	G
CTS0005	DESKTOP SUPPORT TECH Desktop Support Technician	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@7 7	G
CTS0020	NETWORK FUNDAMENTALS Network Fundamentals	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@7 7	G
CTS0033	NETWORK TECHNICIAN Network Technician	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@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 GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
Y300500	ENTERPRISE NETWORK Enterprise Network and Server Support Technology	30, 31	/		
CTS0099	ADV NETWORK FUND Advanced Network Fundamentals	30, 31	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@7 7 G
CTS0066	IT SECURITY SPECIAL Information Technology Security Specialist/Certified Ethical Hacker	30, 31	/Y	4.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@7 7 G
CTS0094	INTERCONNECT CISCO Interconnecting Cisco Network Devices	30, 31	/Y	4.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@7 7 G
CTS0048	MS CERT SYSTEMS ADM Microsoft Certified Systems Administrator	30, 31	/Y	4.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G INFO TECH 7 G CYBER TECH7 G ELECTRONI@7 7 G
8600200	GIS TECHNOLOGY Geospatial/Geographic Information Systems (GIS) Technology	9-12	/		
8600260	INTRO TO GIS/RS TECH Introduction to GIS/RS Technology/ Level 2	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 ENG&TEC ED1 @2 TEC EN AI@7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8600270	ESS GIS/RS TOOLS/PRO Essential GIS/RS Tools and Processes /Level 2	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 ENG&TEC ED1 @2 TEC EN AI@7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8600280	GIS/RS ANAL & MODEL GIS/RS Analysis and Modeling/Level 2	9-12	/Y	1.0	PA BUS ED 1 @2 COMPU SCI 6 ENG&TEC ED1 @2 TEC EN AI@7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8600290	ADV GIS/RS APPS Advanced GIS/RS Applications/Level 2	9-12	/Y	1.0	PA BUS ED 1 @2 COMPU SCI 6 ENG&TEC ED1 @2 TEC EN AI@7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE

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9003500	INTEGRATED IT Integrated Information Technology	9-12	/			
9003510	IT PRINCIPLES IT Principles/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G	
9003520	WEB DEVELOPMENT PRIN Web Development Principles/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G	
9003530	DATABASE PRINCIPLES Database Principles/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G	
9003540	PROGRAMMING PRIN Programming Principles/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G	
9003550	CLOUD PRINCIPLES Cloud Principles/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G	
INTERACTIVE MEDIA CAREER PATH (ITPC)						
8208400	GAME/SIM/ANI ADV APP Game/Simulation/Animation Advanced Applications/Level 2	9-12	/Y	1.0	BUS ED 1 @2 COMPU SCI 6	COMM ART @7 7 G TV PRO TEC @7 7 G
8208200	GAME/SIM/ANI AUD/VID Game/Simulation/Animation Audio/ Video Effects	9-12	/			
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH 7 G INFO TECH 7 G MANAG SUPV 7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
8208110	GAME & SIM FOUND Game & Simulation Foundations/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G COMP PROG 7 G DIGI MEDIA 7 G	
8208120	GAME & SIM DESIGN Game & Simulation Design/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G COMP PROG 7 G DIGI MEDIA 7 G	

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8208230	GAME/SIM AUD/SND EFF Game/Simulation Audio/Sound Effects /Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G DIGI MEDIA7 G COMP PROG 7 G
8208240	GAME/SIM VID/SPEC EF Game/Simulation Video/Special Effects /Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G DIGI MEDIA7 G COMP PROG 7 G
B082200	GAME/SIM/ANI AUD/VID Game/Simulation/Animation Audio/ Video Effects	30, 31	/		
DIG0070	GAME/SIM DESIGNER Game/Simulation Designer	30, 31	/Y PA	2.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G COMP PROG 7 G DIGI MEDIA7 G
DIG0073	DIGITAL MEDIA ART Digital Media Artist	30, 31	/Y	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G DIGI MEDIA7 G COMP PROG 7 G
DIG0074	DIGITAL MEDIA SPEC Digital Media Specialist	30, 31	/Y	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 T G DIGI MEDIA7 G COMP PROG 7 G
8208300	GAME/SIM/ANI PGM Game/Simulation/Animation Programming	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G

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8208110	GAME & SIM FOUND Game & Simulation Foundations/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G COMP PROG 7 G DIGI MEDIA7 G
8208120	GAME & SIM DESIGN Game & Simulation Design/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G COMP PROG 7 G DIGI MEDIA7 G
8208330	GAME & SIM PROGRAM Game & Simulation Programmi ng/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 TV PRO TE@7 7 G DIGI MEDIA7 G
8208340	MULTI-USER GAME&SIM Multi-User Game & Simulation Programmi ng/Level 3	9-12	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 TV PRO TE@7 7 G DIGI MEDIA7 G
B082300	GAME/SIM/ANI PGM Game/Simulation/Animation Programmi ng	30, 31	/		
DIG0070	GAME/SIM DESIGNER Game/Simulation Designer	30, 31	/Y PA	2.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G COMP PROG 7 G DIGI MEDIA7 G
DIG0075	GAME/SIM PROGRAMMER Game/Simulation Programmer	30, 31	/Y	1.0	BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 TV PRO TE@7 7 G DIGI MEDIA7 G
DIG0076	GAME/SIM SOFT DEV Game/Simulation Software Developer	30, 31	/Y	1.0	BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 TV PRO TE@7 7 G DIGI MEDIA7 G

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						COURSE LEVEL	REQUIREMENTS
8208100	GAME/SIM/ANI VIS DSN Game/Simulation/Animation Visual Design	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0		ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
8208110	GAME & SIM FOUND Game & Simulation Foundations/Level 2	9-12	/Y PA	1.0		BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G COMP PROG 7 G DIGI MEDIA7 G	
8208120	GAME & SIM DESIGN Game & Simulation Design/Level 2	9-12	/Y PA	1.0		BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G COMP PROG 7 G DIGI MEDIA7 G	
8208130	GAME & SIM GR ART Game & Simulation Graphic Artist/ Level 2	9-12	/Y PA	1.0		BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 DIGI MEDIA7 G TV PRO TE@7 7 G COMP PROG 7 G	
8208140	GAME & SIM 3D ANI Game & Simulation 3D Animation/ Level 2	9-12	/Y PA	1.0		BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 DIGI MEDIA7 G TV PRO TE@7 7 G COMP PROG 7 G	
B082100	GAME/SIM/ANI VIS DSN Game/Simulation/Animation Visual Design	30, 31	/				
DIG0070	GAME/SIM DESIGNER Game/Simulation Designer	30, 31	/Y PA	2.0		BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 TV PRO TE@7 7 G COMP PROG 7 G DIGI MEDIA7 G	

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DIG0071	GAME/SIM GRAPH ART Game/Simulation Graphic Artist	30, 31	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 DIGI MEDIA7 G TV PRO TE@7 7 G COMP PROG 7 G
DIG0072	GAME/SIM 3D ANIMATOR Game/Simulation 3D Animator	30, 31	/Y PA	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 DIGI MEDIA7 G TV PRO TE@7 7 G COMP PROG 7 G
9005200	MODELING & SIMULAT Modeling and Simulation	9- 12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9- 12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
9005210	MODEL & SIM FOUNDS Modeling and Simulation Foundations /Level 2	9- 12	/Y PA	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 ENG 7 G ENG TEC 7 G INFO TECH 7 G ROBOTICS 7 G ENG&TEC ED1 @2
9005220	MODEL & SIM DESIGN Modeling and Simulation Design/ Level 2	9- 12	/Y PA	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 ENG 7 G ENG TEC 7 G INFO TECH 7 G ROBOTICS 7 G ENG&TEC ED1 @2
9005230	MODEL & SIM APPS Modeling and Simulation Applications /Level 3	9- 12	/Y PA	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 ENG 7 G ENG TEC 7 G INFO TECH 7 G ROBOTICS 7 G ENG&TEC ED1 @2



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9005240	MODEL & SIM PROTO Modeling and Simulation Prototyping and Innovation/Level 3	9-12	/Y PA	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 ENG 7 G ENG TEC 7 G INFO TECH 7 G ROBOTICS 7 G ENG&TEC ED1 @2
Y500300	MODEL SIM DESIGN Modeling Simulation Design	30, 31	/		
CTS0770	MODEL SIM TECH Modeling & Simulation Technician	30, 31	/Y	1.0	COMPU SCI 6 ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G INFO TECH 7 G COMP PROG 7 G ROBOTICS 7 G BUS ED 1 @2 TV PRO TE@7 7 G COMM ART @7 7 G
CTS0771	MODEL SIM 2D ART Modeling & Simulation 2D Artist	30, 31	/Y PA	2.0	COMPU SCI 6 ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G INFO TECH 7 G COMP PROG 7 G ROBOTICS 7 G BUS ED 1 @2 TV PRO TE@7 7 G COMM ART @7 7 G
CTS0772	MODEL SIM 3D ART Modeling & Simulation 3D Artist	30, 31	/Y PA	2.0	COMPU SCI 6 ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G INFO TECH 7 G COMP PROG 7 G ROBOTICS 7 G BUS ED 1 @2 TV PRO TE@7 7 G COMM ART @7 7 G
CTS0773	MODEL SIM TEC ART Modeling & Simulation Technical Artist	30, 31	/Y PA	2.0	COMPU SCI 6 ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G INFO TECH 7 G COMP PROG 7 G ROBOTICS 7 G BUS ED 1 @2 TV PRO TE@7 7 G COMM ART @7 7 G

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CTS0774	MODEL SIM DEVELOPER Modeling & Simulation Developer	30, 31	/Y	3.0	COMPU SCI 6
					ENG&TEC ED1 @2
					ENG 7 G
					ENG TEC 7 G
					INFO TECH 7 G
					COMP PROG 7 G
					ROBOTICS 7 G
					BUS ED 1 @2
TV PRO TE@7 7 G					
COMM ART @7 7 G					
Y500200	MODEL SIM PRODUCT Modeling Simulation Production	30, 31	/		
CTS0770	MODEL SIM TECH Modeling & Simulation Technician	30, 31	/Y	1.0	COMPU SCI 6
					ENG&TEC ED1 @2
					ENG 7 G
					ENG TEC 7 G
					INFO TECH 7 G
					COMP PROG 7 G
					ROBOTICS 7 G
					BUS ED 1 @2
TV PRO TE@7 7 G					
COMM ART @7 7 G					
CTS0776	MODEL SIM PROGRAM 1 Modeling & Simulation Programmer 1	30, 31	/Y	2.0	COMPU SCI 6
					ENG&TEC ED1 @2
					ENG 7 G
					ENG TEC 7 G
					INFO TECH 7 G
					COMP PROG 7 G
					ROBOTICS 7 G
					BUS ED 1 @2
TV PRO TE@7 7 G					
COMM ART @7 7 G					
CTS0777	MODEL SIM PROGRAM 2 Modeling & Simulation Programmer 2	30, 31	/Y	2.0	COMPU SCI 6
					ENG&TEC ED1 @2
					ENG 7 G
					ENG TEC 7 G
					INFO TECH 7 G
					COMP PROG 7 G
					ROBOTICS 7 G
					BUS ED 1 @2
TV PRO TE@7 7 G					
COMM ART @7 7 G					
CTS0778	MODEL SIM ADV PROG Modeling & Simulation Advanced Programmer	30, 31	/Y	2.0	COMPU SCI 6
					ENG&TEC ED1 @2
					ENG 7 G
					ENG TEC 7 G
					INFO TECH 7 G
					COMP PROG 7 G
					ROBOTICS 7 G
					BUS ED 1 @2
TV PRO TE@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 GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
CTS0774	MODEL SIM DEVELOPER Modeling & Simulation Developer	30, 31	/Y	3.0	COMM ART @7 7 G COMPU SCI 6 ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G INFO TECH 7 G COMP PROG 7 G ROBOTICS 7 G BUS ED 1 @2 TV PRO TE@7 7 G COMM ART @7 7 G
9001100	WEB DEVELOPMENT Web Development	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G BUS ED 1 @2
9001110	FOUND OF WEB DESIGN Foundations of Web Design/Level 3	9-12	/Y PA	1.0	VOE @7 TC COOP E@7 BUS DP @7 G ELECT DP @7 G CLERICAL @7 G SECRETAR @7 G TEC ELEC \$7 G COMPU SCI 6 @2 COMM ART @7 7 G WEB DEV 7 G
9001120	USER INTERFACE DSN User Interface Design/Level 3	9-12	/Y PA	1.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G
9001130	WEB SCRIPT FUND Web Scripting Fundamentals/Level 3	9-12	/Y PA	1.0	BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @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
9001140	MEDIA INTEGRAT ESS Media Integrati on Essential s/Level 3	9-12	/Y PA	1.0	COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC a7 G VOE @7 WEB DEV 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G
9001150	E-COMM & MKT ESS E-Commerce & Marketing Essential s/ Level 3	9-12	/Y	1.0	COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G
9001160	INTERACTIVITY ESS Interactivity Essential s/Level 3	9-12	/Y PA	1.0	COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G BUS DP @7 %G BUS ED 1 @2 CLERICAL @7 7 G COMM ART @7 7 G COMPU SCI 6 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G
Y700100	WEB DEVELOPMENT Web Development	30, 31	/		
OTA0040	INFO TECH ASSISTANT Informati on Technol ogy Assi stant	30, 31	/Y PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT MEETING AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
CTS0070	WEB DESIGN FOUND Web Design Foundations	30, 31	/Y PA	1.0		
						BUS DP @7 %G
						BUS ED 1 @2
						CLERICAL @7 7 G
						COMM ART @7 7 G
						COMPU SCI 6
						ELECT DP @7 %G
						SECRETAR 7 G
						TC COOP E@7
						TEC ELEC \$7 G
						VOE @7
CTS0071	WEB INTERFACE DSN Web Interface Design	30, 31	/Y PA	1.0		
						BUS DP @7 %G
						BUS ED 1 @2
						CLERICAL @7 7 G
						COMM ART @7 7 G
						COMPU SCI 6
						ELECT DP @7 %G
						SECRETAR 7 G
						TC COOP E@7
						TEC ELEC \$7 G
						VOE @7
CTS0049	WEB SCRIPTING Web Scripting	30, 31	/Y PA	1.0		
						BUS DP @7 %G
						BUS ED 1 @2
						CLERICAL @7 7 G
						COMM ART @7 7 G
						COMPU SCI 6
						ELECT DP @7 %G
						SECRETAR 7 G
						TC COOP E@7
						TEC ELEC \$7 G
						VOE @7
CTS0015	WEB MEDIA INTEGRAT Web Media Integration	30, 31	/Y PA	1.0		
						BUS DP @7 %G
						BUS ED 1 @2
						CLERICAL @7 7 G
						COMM ART @7 7 G
						COMPU SCI 6
						ELECT DP @7 %G
						SECRETAR 7 G
						TC COOP E@7
						TEC ELEC \$7 G
						VOE @7
WEB DEV 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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION

CTS0016	WEB E-COMMERCE Web E-Commerce	30, 31	/Y		1.0	BUS DP @7 %G
						BUS ED 1 @2
						CLERICAL @7 7 G
						COMM ART @7 7 G
						COMPU SCI 6
						ELECT DP @7 %G
						SECRETAR 7 G
						TC COOP E@7
						TEC ELEC \$7 G
						VOE @7
CTS0017	WEB INTERACTIVITY Web Interactivity	30, 31	/Y	PA	1.0	WEB DEV 7 G
						BUS DP @7 %G
						BUS ED 1 @2
						CLERICAL @7 7 G
						COMM ART @7 7 G
						COMPU SCI 6
						ELECT DP @7 %G
						SECRETAR 7 G
						TC COOP E@7
						TEC ELEC \$7 G
VOE @7						
WEB DEV 7 G						

## PROGRAMMING &amp; SOFTWARE DEVELOPMENT CAREER PATH (ITPD)

9007400	.NET APP DEV & PROG .NET Application Development and Programming	9-12	/			
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G
						BANK FINC@7 7 G
						BUS ED 1 @2
						COMM ART @7 7 G
						COMP PROG 7 G
						COMPU SCI 6
						CYBER TECH7 G
						INFO TECH 7 G
						MANAG SUPV7 G
						MKTG 1 @2
MKTG MGMT 7 G						
9007210	FOUND OF PROGRAMMING Foundations of Programming/Level 3	9-12	/Y		1.0	WEB DEV 7 G
						BUS ED 1 @2
9007220	PROCEDURAL PROGRAM Procedural Programming/Level 3	9-12	/Y		1.0	COMP PROG 7 G
						COMPU SCI 6
9007230	OBJ-ORIENT PROGRAM Object-Oriented Programming Fundamentals/Level 3	9-12	/Y		1.0	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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					COURSES MEETING	SUBJECT AREA	
9007410	.NET APP DEV FOUND .NET Application Development Foundation/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
9007420	.NET APP DEV APPLIED .NET Application Development Applied /Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
9007430	.NET APP DEV CAP .NET Application Development Capstone /Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
Y700400	.NET APP DEV & PROG .NET Application Development and Programming	30, 31	/				
0TA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y	PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G	
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant	30, 31	/Y		2.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
CTS0044	COMPUTER PROGRAMMER Computer Programmer	30, 31	/Y		1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
CTS0032	.NET PROGRAMMER .NET Programmer	30, 31	/Y		3.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
8206500	BUS COMPUTER PROGRAM Business Computer Programming	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
8206010	BUSINESS CPTR PGM 1 Business Computer Programmi ng 1/ Level 2	9-12	/Y	1.0		BOOKKEEPI@4 @7 G BUS DP @7 %G BUS ED 1 @2 COMPU SCI 6 ELECT DP @7 %G TC COOP E@7 TEC ELEC \$7 G VOE @7	
8206020	BUSINESS CPTR PGM 2 Business Computer Programmi ng 2/ Level 2	9-12	/Y	1.0		BOOKKEEPI@4 @7 G BUS DP @7 %G BUS ED 1 @2 COMPU SCI 6 ELECT DP @7 %G TC COOP E@7 TEC ELEC \$7 G VOE @7	
8206030	BUSINESS CPTR PGM 3 Business Computer Programmi ng 3/ Level 2	9-12	/Y	1.0		BOOKKEEPI@4 @7 G BUS DP @7 %G BUS ED 1 @2 COMPU SCI 6 ELECT DP @7 %G TC COOP E@7 TEC ELEC \$7 G VOE @7	
8206040	BUSINESS CPTR PGM 4 Business Computer Programmi ng 4/ Level 2	9-12	/Y	1.0		BOOKKEEPI@4 @7 G BUS DP @7 %G BUS ED 1 @2 COMPU SCI 6 ELECT DP @7 %G TC COOP E@7 TEC ELEC \$7 G VOE @7	
8206050	BUSINESS CPTR PGM 5 Business Computer Programmi ng 5/ Level 3	9-12	/Y	1.0		BOOKKEEPI@4 @7 G BUS DP @7 %G BUS ED 1 @2 COMPU SCI 6 ELECT DP @7 %G TC COOP E@7 TEC ELEC \$7 G VOE @7	
8206060	BUSINESS CPTR PGM 6 Business Computer Programmi ng 6/ Level 3	9-12	/Y	1.0		BOOKKEEPI@4 @7 G BUS DP @7 %G BUS ED 1 @2 COMPU SCI 6 ELECT DP @7 %G TC COOP E@7 TEC ELEC \$7 G VOE @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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					CREDIT	CERTIFICATION	
8206070	BUSINESS CPTR PGM 7 Business Computer Programmi ng 7/ Level 3	9-12	/Y	1.0	BOOKKEEPI@4 @7	G	
					BUS DP @7 %G		
					BUS ED 1 @2		
					COMPU SCI 6		
					ELECT DP @7 %G		
					TC COOP E@7		
					TEC ELEC \$7 G		
					VOE @7		
B070320	BUS COMPUTER PROGRAM Business Computer Programmi ng	30, 31	/				
0TA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y	PA	1.0	ACCTING @7 7	G
					ADMIN ASST7 G		
					BUS ED 1 @2		
					COMM ART @7 7	G	
					COMP PROG 7 G		
					COMPU SCI 6		
					INFO TECH 7 G		
					MANAG SUPV7 G		
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant	30, 31	/Y		2.0	BUS ED 1 @2	
						COMP PROG 7 G	
						COMPU SCI 6	
CTS0042	JUNIOR PROGRAMMER Junior Programmer	30, 31	/Y		2.0	BUS ED 1 @2	
						COMPU SCI 6	
						COMP PROG 7 G	
CTS0043	JUNIOR PROGRAMMER II Junior Programmer II	30, 31	/Y		2.0	BUS ED 1 @2	
						COMPU SCI 6	
						COMP PROG 7 G	
CTS0044	COMPUTER PROGRAMMER Computer Programmer	30, 31	/Y		1.0	BUS ED 1 @2	
						COMP PROG 7 G	
						COMPU SCI 6	
9007600	CPT SCIENCE PRIN Computer Science Principles	9-12	/				
9007610	ADVANCED IT Advanced Information Technology/ Level 3	9-12	/Y		1.0	BUS ED 1 @2	
						COMP PROG 7 G	
						COMPU SCI 6	
9007210	FOUND OF PROGRAMMING Foundations of Programmi ng/Level 3	9-12	/Y		1.0	BUS ED 1 @2	
						COMP PROG 7 G	
						COMPU SCI 6	
9007220	PROCEDURAL PROGRAM Procedural Programmi ng/Level 3 OR	9-12	/Y		1.0	BUS ED 1 @2	
						COMP PROG 7 G	
						COMPU SCI 6	
0200335	AP COMPUTER SCI PRIN Advanced Placement Computer Science Principles	9-12	3/Y	MA	1.0	ANY FIELD WHEN	CERT REFLECTS BACHELOR OR HIGHER
						COMPU SCI 6	
9007230	OBJ-ORIENT PROGRAM Object-Oriented Programmi ng Fundamentals/Level 3 OR	9-12	/Y		1.0	BUS ED 1 @2	
						COMP PROG 7 G	
						COMPU SCI 6	
0200320	AP COMPUTER SCI A Advanced Placement Computer Science A	9-12	3/Y	MA	1.0	ANY FIELD WHEN	CERT REFLECTS BACHELOR OR HIGHER
						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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						COURSES MEETING	SUBJECT AREA
9007300	DB APP DEV & PROG Database Application Development and Programming	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
9007210	FOUND OF PROGRAMMING Foundations of Programming/Level 3	9-12	/Y		1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
9007220	PROCEDURAL PROGRAM Procedural Programming/Level 3	9-12	/Y		1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
9007230	OBJ-ORIENT PROGRAM Object-Oriented Programming Fundamentals/Level 3	9-12	/Y		1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
9007310	DB DSGN & SQL PROG Database Design and SQL Programming /Level 3	9-12	/Y		1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
9007320	SQL EXT LANGUAGES 1 SQL Extension Languages 1/Level 3	9-12	/Y		1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
9007330	SQL EXT LANGUAGES 2 SQL Extension Languages 2/Level 3	9-12	/Y		1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
9007340	CUST DB PROGRAMMING Custom Database Programming/Level 3	9-12	/Y		1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
Y700300	DB APP DEV & PROG Database Application Development and Programming	30, 31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y	PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G	
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant	30, 31	/Y		2.0	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	SUBJECT MEETING AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
CTS0044	COMPUTER PROGRAMMER Computer Programmer	30, 31	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
CTS0062	DATABASE PROGRAMMER Database Programmer	30, 31	/Y	4.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007200	JAVA DEV & PROGRAM Java Development and Programmi ng	9-12	/		
8207310	DIGITAL INFO TECH Di gital Information Technology/ Level 2	9-12	/Y PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G
9007210	FOUND OF PROGRAMMING Foundations of Programmi ng/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007220	PROCEDURAL PROGRAM Procedural Programmi ng/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007230	OBJ-ORIENT PROGRAM Object-Oriented Programmi ng Fundamentals/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007240	JAVA PROGRAM ESSEN Java Programmi ng Essential s/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007250	APPL OBJ-OR JAVA PRO Applied Object-Oriented Java Programmi ng/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007260	JAVA DB PROGRAMMING Java Database Programmi ng/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007270	JAVA PROGRAM CAP Java Programmi ng Capstone/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6

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

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Y700200	JAVA DEV & PROGRAM Java Development and Programming	30, 31	/					
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y	PA	1.0	ACCTING @7 7	G	
						ADMIN ASST7	G	
						BUS ED 1 @2		
						COMM ART @7 7	G	
						COMP PROG 7	G	
						COMPU SCI 6		
						INFO TECH 7	G	
						MANAG SUPV7	G	
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant	30, 31	/Y		2.0	BUS ED 1 @2		
						COMP PROG 7	G	
						COMPU SCI 6		
CTS0044	COMPUTER PROGRAMMER Computer Programmer	30, 31	/Y		1.0	BUS ED 1 @2		
						COMP PROG 7	G	
						COMPU SCI 6		
CTS0031	JAVA DEVELOPER Java Developer	30, 31	/Y		4.0	BUS ED 1 @2		
						COMP PROG 7	G	
						COMPU SCI 6		
9007500	WEB APPL DEV & PROG Web Application Development and Programming	9-12	/					
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7	G	
						BANK FINC@7 7	G	
						BUS ED 1 @2		
						COMM ART @7 7	G	
						COMP PROG 7	G	
						COMPU SCI 6		
						CYBER TECH7	G	
						INFO TECH 7	G	
						MANAG SUPV7	G	
						MKTG 1 @2		
						MKTG MGMT 7	G	
						WEB DEV 7	G	
9007210	FOUND OF PROGRAMMING Foundations of Programming/Level 3	9-12	/Y		1.0	BUS ED 1 @2		
						COMP PROG 7	G	
						COMPU SCI 6		
9007220	PROCEDURAL PROGRAM Procedural Programming/Level 3	9-12	/Y		1.0	BUS ED 1 @2		
						COMP PROG 7	G	
						COMPU SCI 6		
9007230	OBJ-ORIENT PROGRAM Object-Oriented Programming Fundamentals/Level 3	9-12	/Y		1.0	BUS ED 1 @2		
						COMP PROG 7	G	
						COMPU SCI 6		
9007510	WEB PROGRAMMING Web Programming/Level 3	9-12	/Y		1.0	BUS ED 1 @2		
						COMP PROG 7	G	
						COMPU SCI 6		
9007520	JAVASCRIPT PROGRAM JavaScript Programming/Level 3	9-12	/Y		1.0	BUS ED 1 @2		
						COMP PROG 7	G	
						COMPU SCI 6		

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PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					CREDIT	CERTIFICATION	
9007530	PHP PROGRAM PHP Programmi ng/Level 3	9-12	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
Y700500	WEB APPL DEV & PROG Web Application Development and Programmi ng	30, 31	/				
0TA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G		
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant	30, 31	/Y	2.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
CTS0044	COMPUTER PROGRAMMER Computer Programmer	30, 31	/Y	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
CTS0034	WEB PROGRAMMER Web Programmer	30, 31	/Y	3.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
----- MIDDLE SCHOOL PROGRAMS -----							
9009200	CODING FUNDAMENTALS Coding Fundamentals	6-8	/M		BUS ED 1 @2 COMPU SCI 6 WEB DEV 7 G	COMP PROG 7 G INFO TECH 7 G	
9009600	DIGITAL DISCOVERIES Digital Discoveries in Society	6-8	/Y		BUS ED 1 @2 INFO TECH 7 G	COMPU SCI 6 WEB DEV 7 G	
9009350	EXPLOR IT CAREERS Exploring Information Technology Careers	6-8	/S		BUS ED 1 @2 COMPU SCI 6 DIGI MEDIA 7 G WEB DEV 7 G	COMP PROG 7 G CYBER TECH 7 G INFO TECH 7 G	
9009360	EXPLOR IT CAREERS/CP Exploring Information Technology Careers and Career Planning	6-8	/S		BUS ED 1 @2 COMPU SCI 6 DIGI MEDIA 7 G WEB DEV 7 G	COMP PROG 7 G CYBER TECH 7 G INFO TECH 7 G	
9009400	FUND OF NET & INFO Fundamentals of Networking and Information Support	6-8	/S		BUS ED 1 @2 CYBER TECH 7 G	COMPU SCI 6 INFO TECH 7 G	
9009500	FUND OF WEB & SOFT Fundamentals of Web and Software Development	6-8	/Y		BUS ED 1 @2 COMPU SCI 6 WEB DEV 7 G	COMP PROG 7 G INFO TECH 7 G	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CAREER AND TECHNICAL EDUCATION	
					COURSES MEETING	CERTIFICATION
9009100	INFO & COMM TECH ESS Information and Communications Technology (ICT) Essentials	6-8	/			
9009110	INFO & COMM TECH 1 Information and Communications Technology (ICT) Essentials 1	6-8	/Y		BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G	
9009120	INFO & COMM TECH 2 Information and Communications Technology (ICT) Essentials 2	6-8	/Y		BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G	
9009130	INFO & COMM TECH 3 Information and Communications Technology (ICT) Essentials 3	6-8	/Y		BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G	
9009370	ICT & CAREER PLAN Information and Communications Technology (ICT) Essentials and CP	6-8	/Y			
9009110	INFO & COMM TECH 1 Information and Communications Technology (ICT) Essentials 1	6-8	/Y		BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G	
9009120	INFO & COMM TECH 2 Information and Communications Technology (ICT) Essentials 2	6-8	/Y		BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G	
9009140	INFO & COMM TECH CP Information & Communications Technology Essentials Career and Career Planning	6-8	/Y		BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G	
9000420	IT OJT Information Technology Cooperative Education OJT	9-12	/M	MULTIPLE	BUS ED 1 @2 CYBER TECH 7 G INFO TECH 7 G	COMP PROG 7 G DIGI MEDIA 7 G WEB DEV 7 G
9000100	IT DIRECTED STUDY Information Technology Directed Study	11-12	/M	MULTIPLE	BUS ED 1 @2 COMPU SCI 6 DIGI MEDIA 7 G WEB DEV 7 G	COMP PROG 7 G CYBER TECH 7 G INFO TECH 7 G

## 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	/			

## 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
Y30030R	INFO TECH - APPR Information Technology - Apprenticeship	30, 31	/		
B07040R	PC SUPPORT SERS- APPR PC Support Services - Apprenticeship	30, 31	/		

## |LAW, PUBLIC SAFETY &amp; SECURITY CAREER CLUSTER|

## CORRECTION SERVICES CAREER PATH (LWPA)

P430102	CORRECTIONAL OFFICER Correctional Officer (Traditional Correctional BRTP)	30, 31	/		
CJK0300	INTRO TO CORRECTIONS Introduction to Corrections	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0305	COMMUNICATIONS Communications	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0310	OFFICER SAFETY Officer Safety	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0315	FACILITY & EQUIP Facility and Equipment	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0320	INTAKE & RELEASE Intake and Release	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0330	SPRV SP POPULATIONS Supervising Special Populations	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0335	RESP INCIDENT & EMER Responding to Incidents and Emergencies	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
<sup>a</sup> CJK0031	CMS FIRST AIDE/CJO CMS First Aide for Criminal Justice Officer	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms	30, 31	/S	0.5	CORR OFF 7 G LAW ENF @7 7 G
<sup>a</sup> CJK0051	CMS CRIM JUST DEF TA CMS Criminal Justice Defensive Tactics	30, 31	/S	0.5	CORR OFF 7 G LAW ENF @7 7 G
CJK0340	OFF WELLNESS & PA Officer Wellness and Physical Abilities	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
<sup>▫</sup> P430153	CORR PROBATION OFR Correctional Probation Officer	30, 31	/		
CJK0260	INTRO TO CORR PROBAT Introduction to Correctional Probation	30, 31	/S		CORR OFF 7 G LAW ENF @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		
					CORR OFF	LAW ENF	G
CJK0264	LEGAL FOUNDATIONS CP Legal Foundations for Correctional Probation Officers	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0265	COMMUNICATIONS Communications	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0266	INTAKE & ORIENTATION Intake and Orientation	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0267	CASELOAD MGMT CP Caseload Management for Correctional Probation	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0268	SPVR OF OFFENDERS Supervision of Offenders	30, 31	/S	0.5	CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0269	FIELD SUPERVISION Field Supervision	30, 31	/S	0.5	CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>a</sup> CJK0031	CMS FIRST AIDE/CJO CMS First Aide for Criminal Justice Officer	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms	30, 31	/S	0.5	CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>a</sup> CJK0051	CMS CRIM JUST DEF TA CMS Criminal Justice Defensive Tactics	30, 31	/S	0.5	CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0281	CRIM JUST OFF PHYS Criminal Justice Officer Physical Fitness Training	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> P430123	CORR PROBATION OFR Correctional Probation Officer	30, 31	/				
<sup>▫</sup> CJK0002	INTRO TO LAW ENFORCE Introduction to Law Enforcement	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0016	COMMUNICATION Communication	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0018	LEGAL Legal	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0019	INTERVIEW & REPORT Interviewing and Report Writing	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0063	FUNDS OF PATROL Fundamentals of Patrol	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0021	SERVING COMMUNITY Serving Your Community	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0072	CRIMES AGAINST PERSO Crimes Against Persons	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0073	CRIMES INV PROP/SOC Crimes Involving Property and Society	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0079	CRIME SCENE FOL INVE Crime Scene Follow-up Investigations	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0400	TRAFFIC INCIDENTS Traffic Incidents	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0401	TRAFFIC STOPS Traffic Stops	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0402	TRAF CRASH INVEST Traffic Crash Investigations	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		
					CERTIFICATION		
⊠CJK0403	DUI TRAFFIC STOPS DUI Traffic Stops	30, 31	/S		CORR OFF	7	G
⊠CJK0093	CRITICAL INCIDENTS Critical Incidents	30, 31	/S		LAW ENF @7	7	G
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	30, 31	/S		CORR OFF	7	G
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	30, 31	/S		LAW ENF @7	7	G
⊠CJK0421	ELEC WEAP/DF STUNGUN Conducted Electrical Weapon/Dart- Firing Stun Gun	30, 31	/S		CORR OFF	7	G
P430132	CROSSOVER CO TO CPO Crossover from Correctional Officer to Correctional Probation Officer	30, 31	/		LAW ENF @7	7	G
CJK0260	INTRO TO CORR PROBAT Introduction to Correctional Probation	30, 31	/S		CORR OFF	7	G
CJK0264	LEGAL FOUNDATIONS CP Legal Foundations for Correctional Probation Officers	30, 31	/S		LAW ENF @7	7	G
CJK0266	INTAKE & ORIENTATION Intake and Orientation	30, 31	/S		CORR OFF	7	G
CJK0267	CASELOAD MGMT CP Caseload Management for Correctional Probation	30, 31	/S		LAW ENF @7	7	G
CJK0268	SPVR OF OFFENDERS Supervision of Offenders	30, 31	/S	0.5	CORR OFF	7	G
CJK0269	FIELD SUPERVISION Field Supervision	30, 31	/S	0.5	LAW ENF @7	7	G
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	30, 31	/S		CORR OFF	7	G
⊠P430125	CROSSOVER CO TO LEO Crossover from Correctional Officer to Law Enforcement Officer	30, 31	/		LAW ENF @7	7	G
⊠CJK0002	INTRO TO LAW ENFORCE Introduction to Law Enforcement	30, 31	/S		CORR OFF	7	G
⊠CJK0016	COMMUNICATION Communication	30, 31	/S		LAW ENF @7	7	G
⊠CJK0018	LEGAL Legal	30, 31	/S		CORR OFF	7	G
⊠CJK0019	INTERVIEW & REPORT Interviewing and Report Writing	30, 31	/S		LAW ENF @7	7	G
⊠CJK0063	FUNDS OF PATROL Fundamentals of Patrol	30, 31	/S		CORR OFF	7	G
⊠CJK0021	SERVING COMMUNITY Serving Your Community	30, 31	/S		LAW ENF @7	7	G
⊠CJK0072	CRIMES AGAINST PERSO Crimes Against Persons	30, 31	/S		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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
▣CJK0073	CRIMES INV PROP/SOC Crimes Involving Property and Society	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
▣CJK0079	CRIME SCENE FOL INVE Crime Scene Follow-up Investigations	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
▣CJK0400	TRAFFIC INCIDENTS Traffic Incidents	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
▣CJK0401	TRAFFIC STOPS Traffic Stops	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
▣CJK0402	TRAF CRASH INVEST Traffic Crash Investigations	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
▣CJK0403	DUI TRAFFIC STOPS DUI Traffic Stops	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
▣CJK0093	CRITICAL INCIDENTS Critical Incidents	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0096	CJ OFF PHYS FIT TRA Criminal Justice Officer Physical Fitness Training/Law Enforcement	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
P430152	CROSSOVER LEO TO CO Crossover from Law Enforcement Officer to Correctional Officer	30, 31	/		
CJK0300	INTRO TO CORRECTIONS Introduction to Corrections	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0305	COMMUNICATIONS Communications	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0310	OFFICER SAFETY Officer Safety	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0315	FACILITY & EQUIP Facility and Equipment	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0320	INTAKE & RELEASE Intake and Release	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0330	SPRV SP POPULATIONS Supervising Special Populations	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0335	RESP INCIDENT & EMER Responding to Incidents and	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
P430255	FBRTTP: CORR BASIC SP FL Basic Recruit Training Program: Corrections Basic Recruit Training for Special Operations Recruits	30, 31	/		
CJK0300	INTRO TO CORRECTIONS Introduction to Corrections	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0305	COMMUNICATIONS Communications	30, 31	/S		CORR OFF 7 G LAW ENF @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
CJK0310	OFFICER SAFETY Officer Safety	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0315	FACILITY & EQUIP Facility and Equipment	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0320	INTAKE & RELEASE Intake and Release	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0330	SPRV SP POPULATIONS Supervising Special Populations	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0335	RESP INCIDENT & EMER Responding to Incidents and Emergencies	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0032	CMS FIRST AID PROF CMS First Aid for Criminal Justice Officers Proficiency	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0041	CMS CJ FIREARMS PROF CMS Criminal Justice Firearms Proficiency	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0052	CMS CJ DEFENSIVE TAC CMS Criminal Justice Defensive Tactics Proficiency	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
⊠P430256	FLBRT: CORR PRO SPOPS FL Basic Recruit Training Program: Correctional Probation Basic	30, 31	/		
CJK0260	INTRO TO CORR PROBAT Introduction to Correctional Probation	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0264	LEGAL FOUNDATIONS CP Legal Foundations for Correctional Probation Officers	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0265	COMMUNICATIONS Communications	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0266	INTAKE & ORIENTATION Intake and Orientation	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0267	CASELOAD MGMT CP Caseload Management for Correctional Probation	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0268	SPVR OF OFFENDERS Supervision of Offenders	30, 31	/S	0.5	CORR OFF 7 G LAW ENF @7 7 G
CJK0269	FIELD SUPERVISION Field Supervision	30, 31	/S	0.5	CORR OFF 7 G LAW ENF @7 7 G
CJK0032	CMS FIRST AID PROF CMS First Aid for Criminal Justice Officers Proficiency	30, 31	/S		CORR OFF 7 G LAW ENF @7 7 G
CJK0041	CMS CJ FIREARMS PROF CMS Criminal Justice Firearms Proficiency	30, 31	/S		CORR OFF 7 G LAW ENF @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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					COURSES MEETING	COURSES MEETING	
CJK0052	CMS CJ DEFENSIVE TAC CMS Criminal Justice Defensive Tactics Proficiency	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>a</sup> P430232	FLBRT: CORR PRO SPOPS FL Basic Recruit Training Program: Correctional Probation Basic Recruit Training for Special Ops	30, 31	/				
CJK0260	INTRO TO CORR PROBAT Introduction to Correctional Probation	30, 31	/S		CORR OFF	7 G	
CJK0264	LEGAL FOUNDATIONS CP Legal Foundations for Correctional Probation Officers	30, 31	/S		LAW ENF	@7 7 G	
CJK0265	COMMUNICATIONS Communications	30, 31	/S		CORR OFF	7 G	
CJK0266	INTAKE & ORIENTATION Intake and Orientation	30, 31	/S		LAW ENF	@7 7 G	
CJK0267	CASELOAD MGMT CP Caseload Management for Correctional Probation	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0268	SPVR OF OFFENDERS Supervision of Offenders	30, 31	/S	0.5	CORR OFF	7 G	
CJK0269	FIELD SUPERVISION Field Supervision	30, 31	/S	0.5	LAW ENF	@7 7 G	
CJK0032	CMS FIRST AID PROF CMS First Aid for Criminal Justice Officers Proficiency	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0052	CMS CJ DEFENSIVE TAC CMS Criminal Justice Defensive Tactics Proficiency	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> P430225	FBRT: LAW ENF SP OPS FL Basic Recruits Training Program: Law Enforcement Basic Training for Special Operations Forces Recruits	30, 31	/				
<sup>▫</sup> CJK0002	INTRO TO LAW ENFORCE Introduction to Law Enforcement	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0016	COMMUNICATION Communication	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0018	LEGAL Legal	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0019	INTERVIEW & REPORT Interviewing and Report Writing	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0063	FUNDS OF PATROL Fundamentals of Patrol	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0021	SERVING COMMUNITY Serving Your Community	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0072	CRIMES AGAINST PERSO Crimes Against Persons	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>▫</sup> CJK0073	CRIMES INV PROP/SOC Crimes Involving Property and Society	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@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		
⊠CJK0079	CRIME SCENE FOL INVE Crime Scene Follow-up Investigations	30, 31	/S		CORR OFF	7	G
⊠CJK0400	TRAFFIC INCIDENTS Traffic Incidents	30, 31	/S		LAW ENF @7	7	G
⊠CJK0401	TRAFFIC STOPS Traffic Stops	30, 31	/S		CORR OFF	7	G
⊠CJK0402	TRAF CRASH INVEST Traffic Crash Investigations	30, 31	/S		LAW ENF @7	7	G
⊠CJK0403	DUI TRAFFIC STOPS DUI Traffic Stops	30, 31	/S		CORR OFF	7	G
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	30, 31	/S		LAW ENF @7	7	G
CJK0032	CMS FIRST AID PROF CMS First Aid for Criminal Justice Officers Proficiency	30, 31	/S		CORR OFF	7	G
CJK0041	CMS CJ FIREARMS PROF CMS Criminal Justice Firearms Proficiency	30, 31	/S		LAW ENF @7	7	G
CJK0052	CMS CJ DEFENSIVE TAC CMS Criminal Justice Defensive Tactics Proficiency	30, 31	/S		CORR OFF	7	G
⊠CJK0421	ELEC WEAP/DF STUNGUN Conducted Electrical Weapon/Dart- Firing Stun Gun	30, 31	/S		LAW ENF @7	7	G
EMERGENCY & FIRE MANAGEMENT SERVICES CAREER PATH (LWPB)							
P430211	FIREFIGHTER Firefighter	30, 31	/				
FFP0030	FIRE FIGHTER 1 Fire Fighter 1	30, 31	/Y	1.0	FIRE FIGHT	7	G
FFP0031	FIRE FIGHTER 2 Fire Fighter 2	30, 31	/Y	1.0	FIRE FIGHT	7	G
P430217	FIREFIGHTER/EMT COMB Firefighter/Emergency Medical Technician - Combined	30, 31	/				
FFP0030	FIRE FIGHTER 1 Fire Fighter I	30, 31	/Y	1.0	FIRE FIGHT	7	G
FFP0031	FIRE FIGHTER 2 Fire Fighter 2	30, 31	/Y	1.0	FIRE FIGHT	7	G
EMS0110	EMER MEDICAL TECH Emergency Medical Technician (EMT)	30, 31	/Y	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
8918200	INTRO TO FIRE FIGHT Introduction to Fire Fighting	10-12	/				
8918210	FIREFIGHTING 1 Firefighting 1/Level 2	10-12	/Y	1.0	FIRE FIGHT	7	G
8918220	FIREFIGHTING 2 Firefighting 2/Level 2	10-12	/Y	1.0	FIRE FIGHT	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		
8918230	FIREFIGHTING 3 Firefighting 3/Level 3	10-12	/Y	1.0	FIRE FIGHT7	G	
P439991	POLICE SERVICE AIDE Police Service Aide	30, 31	/				
CJK0110	PARK ENFORCE SPEC Park Enforcement Specialist	30, 31	/S		LAW ENF @7	7 G	
CJK0112	TRAF ACCIDENT INVEST Traffic Accident Investigator	30, 31	/S	0.5	PUB SERV 7	G	
CJK0114	POLICE SERVICE AIDE Police Service Aide	30, 31	/S	0.5	LAW ENF @7	7 G	
9101000	PUBLIC SAFETY TELE Public Safety Telecommunication	11-12	/				
9101100	DISP: POL, FIRE, AMB Dispatcher: Police, Fire, Ambulance/ Level 2	12	/Y	1.5	CORR OFF 7	G	
					FIRE FIGHT7	G	
					LAW ENF @7	7 G	
					PUB SAF TE7	G	
					PUB SERV 7	G	
					SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
P090101	PUBLIC SAFETY TELE Public Safety Telecommunication	30, 31	/				
EMS0002	DISP: POL, FIRE, AMB Dispatcher: Police, Fire, Ambulance	30, 31	/Y	1.5	CORR OFF 7	G	
					FIRE FIGHT7	G	
					LAW ENF @7	7 G	
					PUB SAF TE7	G	
					PUB SERV 7	G	
					SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
SECURITY & PROTECTIVE SERVICES CAREER PATH (LWPC)							
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P430208	PRIV INVEST INTERN Private Investigator Intern	30, 31	/				
SCY0051	PRIV INVEST INTERN 1 Private Investigator Intern 1	30, 31	/S		LAW ENF @7	7 G	
SCY0052	PRIV INVEST INTERN 2 Private Investigator Intern 2	30, 31	/S		PUB SERV 7	G	
					LAW ENF @7	7 G	
					PUB SERV 7	G	
P430109	PRIVATE SECURITY OFR Private Security Officer	30, 31	/				
CJK0132	PRIVATE SEC OFF Private Security Officer	30, 31	/S		LAW ENF @7	7 G	
CJK0134	ARMED PRIV SEC OFF Armed Private Security Officer	30, 31	/S		PUB SERV 7	G	
					LAW ENF @7	7 G	
					PUB SERV 7	G	
LAW ENFORCEMENT SERVICES CAREER PATH (LWPD)							
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▣P430117	AUX LAW ENF OFFICER Auxiliary Law Enforcement Officer	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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
<sup>a</sup> CJK0023	INTRO TO LAW ENFORCE Introduction to Law Enforcement	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0024	LEGAL CONCEPTS Legal Concepts	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0025	PATROL/PROF COMM Patrol and Professional Communication	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0026	DIVERSE COMMUNITY Interactions in a Diverse Community	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0027	SERVICE/ARREST PRO Calls for Service and Arrest Procedures	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0028	TRAFFIC STOPS/CRASH Traffic Stops and Crash Investigations	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0029	CRIME SCENE/COURT Crime Scene and Courtroom Procedures	30, 31	/S	LAW ENF	@7 7 G
CJK0422	DART FIRING STUN GUN Dart Firing Stun Gun	30, 31	/S	CORR OFF	7 G
<sup>a</sup> CJK0421	ELEC WEAP/DF STUNGUN Conducted Electrical Weapon/Dart- Firing Stun Gun	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0031	CMS FIRST AIDE/CJO CMS First Aide for Criminal Justice Officer	30, 31	/S	CORR OFF	7 G
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms	30, 31	/S	0.5	LAW ENF @7 7 G
<sup>a</sup> CJK0051	CMS CRIM JUST DEF TA CMS Criminal Justice Defensive Tactics	30, 31	/S	0.5	CORR OFF 7 G
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> P430116	<sup>a</sup> AUX LAW ENF OFFICER Auxiliary Law Enforcement Officer	30, 31	/		
<sup>a</sup> CJK0023	INTRO TO LAW ENFORCE Introduction to Law Enforcement	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0024	LEGAL CONCEPTS Legal Concepts	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0025	PATROL/PROF COMM Patrol and Professional Communication	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0026	DIVERSE COMMUNITY Interactions in a Diverse Community	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0027	SERVICE/ARREST PRO Calls for Service and Arrest Procedures	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0028	TRAFFIC STOPS/CRASH Traffic Stops and Crash Investigations	30, 31	/S	LAW ENF	@7 7 G
<sup>a</sup> CJK0029	CRIME SCENE/COURT Crime Scene and Courtroom Procedures	30, 31	/S	LAW ENF	@7 7 G
CJK0422	DART FIRING STUN GUN Dart Firing Stun Gun	30, 31	/S	CORR OFF	7 G
				LAW ENF	@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING			CERTIFICATION
					CORR OFF	LAW ENF	PUB SERV	
<sup>a</sup> CJK0031	CMS FIRST AIDE/CJO CMS First Aide for Criminal Justice Officer	30, 31	/S		CORR OFF	7	G	
					LAW ENF	@7	7	G
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms	30, 31	/S	0.5	CORR OFF	7	G	
					LAW ENF	@7	7	G
<sup>a</sup> CJK0051	CMS CRIM JUST DEF TA CMS Criminal Justice Defensive Tactics	30, 31	/S	0.5	CORR OFF	7	G	
					LAW ENF	@7	7	G
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	30, 31	/S		CORR OFF	7	G	
					LAW ENF	@7	7	G
8918001	CRIME SCENE TECH Crime Scene Technology	9-12	/					
8200301	CRIME SCENE TECH 1 Crime Scene Technology 1/Level 2	9-12	/Y	1.0	CORR OFF	7	G	
					LAW ENF	7	G	
					PUB SERV	7	G	
8200302	CRIME SCENE TECH 2 Crime Scene Technology 2/Level 2	9-12	/Y	1.0	CORR OFF	7	G	
					LAW ENF	7	G	
					PUB SERV	7	G	
8200303	BLOODSTAIN PATT ANLY Bloodstain Pattern Analysis/Level 2	9-12	/Y	1.0	CORR OFF	7	G	
					LAW ENF	7	G	
					PUB SERV	7	G	
8200304	COURTROOM SCI EVIDEN Courtroom Presentation of Scientific Evidence & Report Writing/Level 2	9-12	/Y	1.0	CORR OFF	7	G	
					LAW ENF	7	G	
					PUB SERV	7	G	
8918000	CRIMINAL JUSTICE OPS Criminal Justice Operations	9-12	/					
8918010	CRIMINAL JUST OPS 1 Criminal Justice Operations 1/Level 2	9-12	/Y	1.0	CORR OFF	7	G	
					LAW ENF	@7	7	G
					PUB SERV	7	G	
8918020	CRIMINAL JUST OPS 2 Criminal Justice Operations 2/Level 2	9-12	/Y	1.0	CORR OFF	7	G	
					LAW ENF	@7	7	G
					PUB SERV	7	G	
8918030	CRIMINAL JUST OPS 3 Criminal Justice Operations 3/Level 3	9-12	/Y	1.0	CORR OFF	7	G	
					LAW ENF	@7	7	G
					PUB SERV	7	G	
<sup>a</sup> 8918050	PUBLIC SERV OFFICER Public Service Officer/Level 3	9-12	/Y	1.0	CORR OFF	7	G	
					LAW ENF	@7	7	G
					PUB SERV	7	G	
<sup>a</sup> 8918060	CERTIF LEGAL ASSIST Certified Legal Assistant/Level 3	9-12	/Y	1.0	CORR OFF	7	G	
					LAW ENF	@7	7	G
					PUB SERV	7	G	
<sup>a</sup> 8918070	CODE ENFORCEMENT Code Enforcement/Level 2	9-12	/Y	1.0	CORR OFF	7	G	
					LAW ENF	@7	7	G
					PUB SERV	7	G	
P430142	CROSSOVER CPO TO CMS Crossover Correctional Probation Officer to CMS Correctional BRTP	30, 31	/					
CJK0300	INTRO TO CORRECTIONS Introduction to Corrections	30, 31	/S		CORR OFF	7	G	
					LAW ENF	@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		
					CERTIFICATION		
CJK0310	OFFICER SAFETY Officer Safety	30, 31	/S		CORR OFF	7	G
CJK0315	FACILITY & EQUIP Facility and Equipment	30, 31	/S		LAW ENF @7	7	G
CJK0320	INTAKE & RELEASE Intake and Release	30, 31	/S		CORR OFF	7	G
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility	30, 31	/S		LAW ENF @7	7	G
CJK0330	SPRV SP POPULATIONS Supervising Special Populations	30, 31	/S		CORR OFF	7	G
CJK0335	RESP INCIDENT & EMER Responding to Incidents and Emergencies	30, 31	/S		LAW ENF @7	7	G
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms	30, 31	/S	0.5	CORR OFF	7	G
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	30, 31	/S		LAW ENF @7	7	G
⊠P430107	CROSSOVER CPO TO LEO Crossover Correctional Probation Officer to Law Enforcement Officer	30, 31	/				
⊠CJK0016	COMMUNICATION Communication	30, 31	/S		CORR OFF	7	G
⊠CJK0018	LEGAL Legal	30, 31	/S		LAW ENF @7	7	G
⊠CJK0063	FUNDS OF PATROL Fundamentals of Patrol	30, 31	/S		CORR OFF	7	G
⊠CJK0021	SERVING COMMUNITY Serving Your Community	30, 31	/S		LAW ENF @7	7	G
⊠CJK0072	CRIMES AGAINST PERSO Crimes Against Persons	30, 31	/S		CORR OFF	7	G
⊠CJK0073	CRIMES INV PROP/SOC Crimes Involving Property and Society	30, 31	/S		LAW ENF @7	7	G
⊠CJK0079	CRIME SCENE FOL INVE Crime Scene Follow-up Investigations	30, 31	/S		CORR OFF	7	G
⊠CJK0400	TRAFFIC INCIDENTS Traffic Incidents	30, 31	/S		LAW ENF @7	7	G
⊠CJK0401	TRAFFIC STOPS Traffic Stops	30, 31	/S		CORR OFF	7	G
⊠CJK0402	TRAF CRASH INVEST Traffic Crash Investigations	30, 31	/S		LAW ENF @7	7	G
⊠CJK0403	DUI TRAFFIC STOPS DUI Traffic Stops	30, 31	/S		CORR OFF	7	G
⊠CJK0093	CRITICAL INCIDENTS Critical Incidents	30, 31	/S		LAW ENF @7	7	G
⊠CJK0394	CPO: CROSSOVER PR UP CPO: Crossover Program Updates	30, 31	/S		CORR OFF	7	G
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	30, 31	/S		LAW ENF @7	7	G
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms	30, 31	/S	0.5	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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					COURSES MEETING	COURSES MEETING	
▣CJK0421	ELEC WEAP/DF STUNGUN Conducted Electrical Weapon/Dart- Firing Stun Gun	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣P430105	FL LAW ENFORCE ACAD Florida Law Enforcement Academy	30, 31	/				
▣CJK0002	INTRO TO LAW ENFORCE Introduction to Law Enforcement	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0016	COMMUNICATION Communication	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0018	LEGAL Legal	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0019	INTERVIEW & REPORT Interviewing and Report Writing	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0063	FUNDS OF PATROL Fundamentals of Patrol	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0021	SERVING COMMUNITY Serving Your Community	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0072	CRIMES AGAINST PERSO Crimes Against Persons	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0073	CRIMES INV PROP/SOC Crimes Involving Property and Society	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0079	CRIME SCENE FOL INVE Crime Scene Follow-up Investigations	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0400	TRAFFIC INCIDENTS Traffic Incidents	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0401	TRAFFIC STOPS Traffic Stops	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0402	TRAF CRASH INVEST Traffic Crash Investigations	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0403	DUI TRAFFIC STOPS DUI Traffic Stops	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0093	CRITICAL INCIDENTS Critical Incidents	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>a</sup> CJK0031	CMS FIRST AIDE/CJO CMS First Aide for Criminal Justice Officer	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0040	CMS CRIM JUST FIREAR CMS Criminal Justice Firearms	30, 31	/S	0.5	CORR OFF	7 G	
					LAW ENF	@7 7 G	
<sup>a</sup> CJK0051	CMS CRIM JUST DEF TA CMS Criminal Justice Defensive Tactics	30, 31	/S	0.5	CORR OFF	7 G	
					LAW ENF	@7 7 G	
▣CJK0421	ELEC WEAP/DF STUNGUN Conducted Electrical Weapon/Dart- Firing Stun Gun	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	
CJK0096	CJ OFF PHYS FIT TRA Criminal Justice Officer Physical Fitness Training/Law Enforcement	30, 31	/S		CORR OFF	7 G	
					LAW ENF	@7 7 G	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION		
LEGAL SERVICES CAREER PATH (LWPE)							
P430135	BAIL BOND AGENT Bail Bond Agent	30, 31	/				
SCY0050	BAIL BOND AGENT Bail Bond Agent	30, 31	/S	0.5	LAW ENF	@7 7 G	
8900220	EXPLOR OF CJ OCCS Exploration of Criminal Justice Occupations	6-8	/S		ANY PUB SERV CORR OFF	OCC ED G 7 G	LAW ENF @7 7 G
GENERAL PROGRAMS							
9160350	INTRO LAW & PS Introduction to Law, Public Safety and Security	6-8	/S		ANY PUB SERV CORR OFF	OCC ED G 7 G	LAW ENF @7 7 G
9160360	INTRO LAW & PS & CP Introduction to Law, Public Safety and Security and Career Planning	6-8	/S		ANY PUB SERV CORR OFF	OCC ED G 7 G	LAW ENF @7 7 G
8900410	LAW, PS & SEC OJT Law, Public Safety and Security Cooperative Education - OJT	9-12	/M	MULTIPLE	ANY PUB SERV CORR OFF	OCC ED G 7 G	LAW ENF @7 7 G
8900100	LAW, PS & SECU DS Law, Public Safety and Security Directed Study	11-12	/M	MULTIPLE	ANY PUB SERV CORR OFF	OCC ED G 7 G	LAW ENF @7 7 G
APPRENTICESHIP PROGRAMS							
P43020R	FIREFIGHTER - APPR Firefighter - Apprenticeship	30, 31	/				
P43021R	FIRE/EMT COMB- APPR Firefighter/Emergency Medical Technician-Combined - Apprenticeship	30, 31	/				
8999990	PUB SERV ED TRAN Public Service Education Transfer	9-12	/		NA		
P000000	PUB SERV ED TRAN Public Service Education Transfer	30, 31	/		NA		

## 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

## |MANUFACTURING CAREER CLUSTER|

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MANUFACTURING PRODUCTION PROCESS CAREER PATH (MNPA)  
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J100200	ADV MFG & PROD TECH Advanced Manufacturing and Production Technology	30, 31	/		
ETI0400	ENTRY-LEVEL PROD WKR Entry-Level Production Worker	30, 31	/Y	1.0	AUTO PROD 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2
ETI0431	PROD QUALITY/ASSUR Production Quality and Assurance	30, 31	/Y	1.0	AUTO PROD 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2
ETI0432	MFG & PROD PROCESSES Manufacturing and Production Processes	30, 31	/Y	1.0	AUTO PROD 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2
ETI0453	MFG & PROD MAINT Manufacturing and Production Maintenance	30, 31	/Y	1.0	AUTO PROD 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2
9200200	ADV MANUFACTURING Advanced Manufacturing Technology	9-12	/		
9200210	ADV MFG TECH 1 Advanced Manufacturing Technology 1 /Level 2	9-12	/Y	1.0	AUTO PROD 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2
9200220	ADV MFG TECH 2 Advanced Manufacturing Technology 2 /Level 3	9-12	/Y	1.0	AUTO PROD 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2
9200230	ADV MFG TECH 3 Advanced Manufacturing Technology 3 /Level 3	9-12	/Y	1.0	AUTO PROD 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2
9200240	ADV MFG TECH 4 Advanced Manufacturing Technology 4 /Level 3	9-12	/Y	1.0	AUTO PROD 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2
9200250	ADV MFG TECH CAP Advanced Manufacturing Technology Capstone/Level 3	9-12	/Y	1.0	AUTO PROD 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2

## 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
I150404	ELEC & INST TECH Electrical and Instrumentation Technology	30, 31	/					
EEV0650	ELECTRICIAN (CONST) Electrician (Construction)	30, 31	/Y	2.0	ELECTRONI@7	7	G	
EEV0652	INSTRUMENT MECH Instrument Mechanic	30, 31	/Y	2.0	TEC ELEC @7	7	G	
EEV0654	ELECTRICIAN MAINT Electrician Maintenance	30, 31	/Y	2.0	ELECTRONI@7	7	G	
EEV0656	INSTRUMENT TECH Instrument Technician	30, 31	/Y	2.5	TEC ELEC @7	7	G	
EEV0658	OP ENGR ASST STAT Operating Engineer Assistant Stationary	30, 31	/Y	2.5	ELECTRONI@7	7	G	
J110100	ELEC & INST TECH 1 Electrical and Instrumentation Technology 1	30, 31	/					
EEV0650	ELECTRICIAN (CONST) Electrician (Construction)	30, 31	/Y	2.0	ELECTRONI@7	7	G	
EEV0652	INSTRUMENT MECH Instrument Mechanic	30, 31	/Y	2.0	TEC ELEC @7	7	G	
EEV0654	ELECTRICIAN MAINT Electrician Maintenance	30, 31	/Y	2.0	ELECTRONI@7	7	G	
J110200	ELEC & INST TECH 2 Electrical and Instrumentation Technology 2	30, 31	/					
EEV0656	INSTRUMENT TECH Instrument Technician	30, 31	/Y	2.5	TEC ELEC @7	7	G	
EEV0658	OP ENGR ASST STAT Operating Engineer Assistant Stationary	30, 31	/Y	2.5	ELECTRONI@7	7	G	
I150603	INDUSTRIAL TECH Industrial Technology	30, 31	/					
ETI0600	DRAFT ASST MACH Drafting Assistant Machining	30, 31	/Y	2.0	IND ENGR	7	G	
ETI0601	COST CONTROL ASSIST Cost Control Assistant	30, 31	/Y	2.0	IND ENGR	7	G	
ETI0602	INDUST TECH ASST 1 Industrial Technician Assistant 1	30, 31	/Y	1.5	IND ENGR	7	G	
ETI0603	INDUST TECH ASST 2 Industrial Technician Assistant 2	30, 31	/Y	1.5	IND ENGR	7	G	
ETI0604	INDUST ENGR TECH 1 Industrial Engineering Technician 1	30, 31	/Y	1.5	IND ENGR	7	G	
ETI0605	INDUST ENGR TECH 2 Industrial Engineering Technician 2	30, 31	/Y	1.5	IND ENGR	7	G	

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

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 PRODUCTION CAREER PATH (MNPB)  
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J200300	CNC PRODUCTION SPEC CNC Production Specialist	30, 31	/		
PMT0026	CNC PRODUCTION TEC I CNC Production Technician I	30, 31	/Y		2.0 ENG 7 G MACH SHOP@7 7 G METAL WORK7 G
PMT0027	CNC PRODUCTION TECII CNC Production Technician II	30, 31	/Y		2.0 ENG 7 G MACH SHOP@7 7 G METAL WORK7 G
J200100	MACHINING TECH Machining Technologies	30, 31	/		
PMT0020	MACHINIST HELPER Machinist Helper	30, 31	/Y	PA	2.0 MACH SHOP@7 7 G METAL WORK7 G TOOL DIE %7 G
PMT0022	MACHINIST OPERATOR Machinist Operator	30, 31	/Y		2.0 MACH SHOP@7 7 G METAL WORK7 G TOOL DIE %7 G
PMT0024	MACHINIST SETUP OP Machinist Setup Operator	30, 31	/Y		4.0 MACH SHOP@7 7 G METAL WORK7 G TOOL DIE %7 G
PMT0025	MACHINIST Machinist	30, 31	/Y		2.0 MACH SHOP@7 7 G METAL WORK7 G TOOL DIE %7 G
9202100	MACHINING TECHNOLOGY Machining Technology	9-12	/		
9202110	MACHINING TECH 1 Machining Technology 1/Level 3	9-12	/Y		1.0 MACH SHOP@7 7 G METAL WORK7 G TOOL DIE %7 G
9202120	MACHINING TECH 2 Machining Technology 2/Level 3	9-12	/Y	PA	1.0 MACH SHOP@7 7 G METAL WORK7 G TOOL DIE %7 G
9202130	MACHINING TECH 3 Machining Technology 3/Level 3	9-12	/Y		1.0 MACH SHOP@7 7 G METAL WORK7 G TOOL DIE %7 G
9202140	MACHINING TECH 4 Machining Technology 4/Level 3	9-12	/Y		1.0 MACH SHOP@7 7 G METAL WORK7 G TOOL DIE %7 G
9202150	MACHINING TECH CAP Machining Technology Capstone/Level 3	9-12	/Y	PA	1.0 MACH SHOP@7 7 G METAL WORK7 G TOOL DIE %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	SUBJECT MEETING AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION

J200200	MECHATRONICS TECH Mechatronics Technology	30, 31	/		
EEV0010	ELECTRONICS ASMBR Electronics Assembler	30, 31	/Y	2.0	AUTO PROD 7 G AVIONICS @7 7 G ELECTRONI@7 7 G ENG 7 G IND ENGR 7 G ROBOTICS 7 G TEC ELEC @7 7 G TV PRO TE@7 7 G RADIO TV %7 %G
EEV0100	ELECTRONICS TESTER Electronics Tester	30, 31	/Y	3.0	AUTO PROD 7 G AVIONICS @7 7 G ELECTRONI@7 7 G ENG 7 G IND ENGR 7 G ROBOTICS 7 G TEC ELEC @7 7 G TV PRO TE@7 7 G RADIO TV %7 %G
EEV0752	ELECTROMECH ASSEM Electromechanical Assembler	30, 31	/Y	3.0	AUTO PROD 7 G AVIONICS @7 7 G ELECTRONI@7 7 G ENG 7 G IND ENGR 7 G ROBOTICS 7 G
EEV0753	MECHATRONIC TECH Mechatronics Technician	30, 31	/Y	2.5	AUTO PROD 7 G AVIONICS @7 7 G ELECTRONI@7 7 G ENG 7 G IND ENGR 7 G ROBOTICS 7 G

## MAINTENANCE, INSTALLATION &amp; REPAIR CAREER PATH (MNPC)

J400100	BIOMED EQUIP RPR TEC Biomedical Equipment Repair Technology	30, 31	/		
AVS0095	BASIC ELECT TROUBLE Basic Electronics Troubleshooter	30, 31	/Y	1.0	BIOMED EQ 7 G ELECTRONI@7 7 G MED EQ TEC7 G
EER0006	ELECT EQUIP REPAIR Electronics Equipment Repairer	30, 31	/Y	1.0	BIOMED EQ 7 G ELECTRONI@7 7 G MED EQ TEC7 G
EER0090	BIOMED ELECT TROUB 1 Biomedical Electronics Troubleshooter 1	30, 31	/Y	1.0	BIOMED EQ 7 G ELECTRONI@7 7 G MED EQ TEC7 G
EER0091	BIOMED ELECT TROUB 2 Biomedical Electronics Troubleshooter 2	30, 31	/Y	1.0	BIOMED EQ 7 G ELECTRONI@7 7 G MED EQ TEC7 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	SUBJECT MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
EER0092	BIOMED IMAGE EQUIP 1 Biomedical Imaging Equipment 1	30, 31	/Y	1.5	BIOMED EQ 7 G ELECTRONI@7 7 G MED EQ TEC7 G
EER0093	BIOMED IMAGE EQUIP 2 Biomedical Imaging Equipment 2	30, 31	/Y	1.5	BIOMED EQ 7 G ELECTRONI@7 7 G MED EQ TEC7 G
J540300	ELECTRONIC SYSTEMS Electronic Systems Technician	30, 31	/		
EEV0012	ELECTRONIC ASSEMBLER Electronic Assembler and DC Technician	30, 31	/Y	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
EEV0820	ELECTRONIC DIGITAL Electronic Digital and Microprocessor Technician	30, 31	/Y	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
EEV0130	ELECTRONIC AC TECH Electronic AC Technician	30, 31	/Y	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
EEV0824	ELEC SOLID-STATE Electronic Solid-State and Analog Technician	30, 31	/Y	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
EEV0825	ELEC SYSS/EQUIP TECH Electronic Systems and Equipment Technician	30, 31	/Y	2.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
9202300	ELECTRONIC SYSTEMS Electronic Systems Technology	9-12	/		
9202310	ELECTRONIC SYSTEMS 1 Electronic Systems Technology 1/ Level 3	9-12	/Y	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
9202320	ELECTRONIC SYSTEMS 2 Electronic Systems Technology 2/ Level 3	9-12	/Y	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
9202330	ELECTRONIC SYSTEMS 3 Electronic Systems Technology 3/ Level 3	9-12	/Y	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
9202340	ELECTRONIC SYSTEMS 4 Electronic Systems Technology 4/ Level 3	9-12	/Y	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
9202350	ELECTRONIC SYSTEMS 5 Electronic Systems Technology 5/ Level 3	9-12	/Y	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
9202360	ELECTRONIC SYSTEMS 6 Electronic Systems Technology 6/ Level 3	9-12	/Y	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
I150303	ELECTRONIC TECH Electronic Technology	30, 31	/		
EEV0010	ELECTRONICS ASMBR Electronics Assembler	30, 31	/Y	2.0	AUTO PROD 7 G AVIONICS @7 7 G ELECTRONI@7 7 G ENG 7 G IND ENGR 7 G ROBOTICS 7 G TEC ELEC @7 7 G TV PRO TE@7 7 G RADIO TV %7 %G
EEV0100	ELECTRONICS TESTER Electronics Tester	30, 31	/Y	3.0	AUTO PROD 7 G AVIONICS @7 7 G ELECTRONI@7 7 G ENG 7 G IND ENGR 7 G ROBOTICS 7 G TEC ELEC @7 7 G TV PRO TE@7 T G RADIO TV %7 %G
EEV0500	ELECT EQUIP REPAIR Electronics Equipment Repairer	30, 31	/Y	2.5	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
EEV0616	ELECTRONICS TECH Electronics Technician	30, 31	/Y	3.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@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	SUBJECT MEETING AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
J540100	ELECTRONIC TECH 1 Electronic Technology 1	30, 31	/		
EEV0010	ELECTRONICS ASMBR Electronics Assembler	30, 31	/Y	2.0	AUTO PROD 7 G AVIONICS @7 7 G ELECTRONI@7 7 G ENG 7 G IND ENGR 7 G ROBOTICS 7 G TEC ELEC @7 7 G TV PRO TE@7 7 G RADIO TV %7 %G
EEV0100	ELECTRONICS TESTER Electronics Tester	30, 31	/Y	3.0	AUTO PROD 7 G AVIONICS @7 7 G ELECTRONI@7 7 G ENG 7 G IND ENGR 7 G ROBOTICS 7 G TEC ELEC @7 7 G TV PRO TE@7 T G RADIO TV %7 %G
J540200	ELECTRONIC TECH 2 Electronic Technology 2	30, 31	/		
EEV0500	ELECT EQUIP REPAIR Electronics Equipment Repairer	30, 31	/Y	2.5	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
EEV0616	ELECTRONICS TECH Electronics Technician	30, 31	/Y	3.0	AVIONICS @7 7 G ELECTRONI@7 7 G RADIO TV %7 %G TEC ELEC @7 7 G TV PRO TE@7 7 G
<sup>a</sup> J550100	<sup>a</sup> GAMING MAC RPR TEC Gaming Machine Repair Technician	30, 31	/		
<sup>a</sup> EER0320	<sup>a</sup> SLOT MACH ATTENDANT Slot Machine Attendant	30, 31	/Y	0.5	COMP SVC 7 G ELECTRONI@7 7 G SLOT MACH 7 G TEC ELEC @7 7 G
<sup>a</sup> EER0321	<sup>a</sup> SLOT MACHINE TECH Slot Machine Technician	30, 31	/Y	1.0	COMP SVC 7 G ELECTRONI@7 7 G SLOT MACH 7 G TEC ELEC @7 7 G
<sup>^</sup> 8736000	IND BIOTECHNOLOGY Industrial Biotechnology	9-12	/		
3027010	BIOTECH 1 Biotechnology 1/Level 3		/Y EQ	1.0	BIOLOGY 1/BIOTECH 7 BIOLOGY 1/BIOTECH G CHEMISTRY 1/BIOTECH 7 CHEMISTRY 1/BIOTECH 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
3027020	BIOTECH 2 Biotechnology 2/Level 3		/Y EQ	1.0	BIOLOGY 1/BIOTECH 7 BIOLOGY 1/BIOTECH G CHEMISTRY 1/BIOTECH 7 CHEMISTRY 1/BIOTECH G
8736030	BIOTECH 3 Biotechnology 3/Level 3	9-12	/Y	1.0	CHEM 1 BIOLOGY 1 BIOTECH 7 G
I470303	INDUS MACH MAINT/RPR Industrial Machinery Maintenance and Repair	30, 31	/		
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	30, 31	/Y	3.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
ETI0457	MACH MAINT TECH Machinery Maintenance Technician	30, 31	/Y	1.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G
ETI0456	MACH MAINT MECH Machinery Maintenance Mechanic	30, 31	/Y	2.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
ETI0458	INDUS MAINT SPEC Industrial Maintenance Specialist	30, 31	/Y	3.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
9204300	INDUS MACH MAIN TECH Industrial Machinery Maintenance Technology	9-12	/		
9204310	MACHINERY MAINT 1 Machinery Maintenance 1/Level 3	9-12	/Y	1.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
9204320	MACHINERY MAINT 2 Machinery Maintenance 2/Level 3	9-12	/Y	1.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
9204330	MACHINERY MAINT 3 Machinery Maintenance 3/Level 3	9-12	/Y	1.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@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	
8743240	MACHINERY MAINT 4 Machinery Maintenance 4/Level 3	9-12	/Y	1.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G 7 G 7 G 7 G 7 G
9204350	IND MACH MECH CAP Industrial Machinery Mechanic Technology Capstone/Level 3	9-12	/Y PA	1.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G 7 G 7 G 7 G 7 G
J590100	INDUS MACH MAINT 1 Industrial Machinery Maintenance 1	30, 31	/			
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	30, 31	/Y	3.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G 7 G 7 G 7 G 7 G
ETI0456	MACH MAINT MECH Machinery Maintenance Mechanic	30, 31	/Y	2.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G 7 G 7 G 7 G 7 G
J590200	INDUS MACH MAINT 2 Industrial Machinery Maintenance 2	30, 31	/			
ETI0457	MACH MAINT TECH Machinery Maintenance Technician	30, 31	/Y	1.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G 7 G 7 G 7 G 7 G
ETI0458	INDUS MAINT SPEC Industrial Maintenance Specialist	30, 31	/Y	3.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G 7 G 7 G 7 G 7 G
J450600	JEWELRY DESIGN RPR 1 Jewelry Design and Repair 1	30, 31	/			
PMT0620	JEWELRY TECH ASST Jewelry Technician Assistant	30, 31	/Y	3.0	JWLY MFGR 7 METAL WORK7	7 G 7 G
PMT0630	JEWELRY DESIGNER Jewelry Designer	30, 31	/Y PA	3.0	JWLY MFGR 7 METAL WORK7	7 G 7 G
J450700	JEWELRY DESIGN RPR 2 Jewelry Design and Repair 2	30, 31	/			
PMT0643	CASTING/MOLDING Casting/Rubber Molding	30, 31	/Y PA	1.0	JWLY MFGR 7 METAL WORK7	7 G 7 G
PMT0642	JEWELRY REPAIR Jewelry Repair	30, 31	/Y	1.0	JWLY MFGR 7 METAL WORK7	7 G 7 G
PMT0632	STONE SETTER Stone Setter	30, 31	/Y PA	1.0	JWLY MFGR 7 METAL WORK7	7 G 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			
PMT0635	CAD/CAM JEWELRY DSN CAD/CAM Jewelry Designer	30, 31	/Y	PA	2.0	JWLY MFGR 7 G METAL WORK7 G
<sup>a</sup> J450400	<sup>a</sup> JEWEL MAKING & RPR1 Jewelry Making and Repair 1	30, 31	/			
<sup>a</sup> PMT0650	<sup>a</sup> CLK, WATCH & JEW TEC Clock, Watch and Jewelry Technician Assistant	30, 31	/Y	PA	3.0	JWLY MFGR 7 G METAL WORK7 G
PMT0630	JEWELRY DESIGNER Jewelry Designer	30, 31	/Y	PA	3.0	JWLY MFGR 7 G METAL WORK7 G
<sup>a</sup> J450500	<sup>a</sup> JEWEL MAKING & RPR 2 Jewelry Making and Repair 2	30, 31	/			
<sup>a</sup> PMT0640	<sup>a</sup> WAX MODELER/CASTING Wax Modeler/Casting	30, 31	/Y	PA	1.0	JWLY MFGR 7 G METAL WORK7 G
<sup>a</sup> PMT0641	<sup>a</sup> JEWELRY REPAIRER Jewelry Repairer	30, 31	/Y	PA	2.0	JWLY MFGR 7 G METAL WORK7 G
PMT0632	STONE SETTER Stone Setter	30, 31	/Y	PA	1.0	JWLY MFGR 7 G METAL WORK7 G
<sup>a</sup> PMT0645	<sup>a</sup> JEWELRY FINISHING TE Jewelry Finishing Technician	30, 31	/Y	PA	1.0	JWLY MFGR 7 G METAL WORK7 G
J620300	MAJ APP & REFG TECH Major Appliance and Refrigeration Technology	30, 31	/			
EER0391	APP INSTALLATION HLP Appliance Installation Helper	30, 31	/Y		1.0	APPLI REP@7 7 G GAS FITTER7 G
EER0315	LAUNDRY TECH Laundry Technician	30, 31	/Y		2.0	APPLI REP@7 7 G GAS FITTER7 G
EER0392	COOKING APP TECH Cooking Appliance Technician	30, 31	/Y		2.0	APPLI REP@7 7 G GAS FITTER7 G
ACR0084	COOLING APP TECH Cooling Appliance Technician	30, 31	/Y		2.0	APPLI REP@7 7 G GAS FITTER7 G
I470313	MILLWRIGHT Millwright	30, 31	/			
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	30, 31	/Y		3.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G
ETI0457	MACH MAINT TECH Machinery Maintenance Technician	30, 31	/Y		1.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G
ETI0456	MACH MAINT MECH Machinery Maintenance Mechanic	30, 31	/Y		2.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@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
ETI 0459	MILLWRIGHT Millwright	30, 31	/Y	3.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
J590400	MILLWRIGHT 1 Millwright 1	30, 31	/		
ETI 0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	30, 31	/Y	3.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
ETI 0456	MACH MAINT MECH Machinery Maintenance Mechanic	30, 31	/Y	2.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
J590500	MILLWRIGHT 2 Millwright 2	30, 31	/		
ETI 0457	MACH MAINT TECH Machinery Maintenance Technician	30, 31	/Y	1.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
ETI 0459	MILLWRIGHT Millwright	30, 31	/Y	3.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
J400400	WELDING TECHNOLOGY Welding Technology	30, 31	/		
PMT0070	WELDER ASSISTANT 1 Welder Assistant 1	30, 31	/Y PA	1.0	METAL WORK7 G WELDING @7 7 G
PMT0071	WELDER ASSISTANT 2 Welder Assistant 2	30, 31	/Y PA	1.0	METAL WORK7 G WELDING @7 7 G
PMT0072	WELDER, SMAW 1 Welder, SMAW 1	30, 31	/Y PA	1.0	METAL WORK7 G WELDING @7 7 G
PMT0073	WELDER, SMAW 2 Welder, SMAW 2	30, 31	/Y PA	1.0	METAL WORK7 G WELDING @7 7 G
PMT0074	WELDER Welder	30, 31	/Y	3.0	METAL WORK7 G WELDING @7 7 G
J400410	WELDING TECH - ADV Welding Technology - Advanced	30, 31	/		
PMT0075	ADVANCED WELDER 1 Advanced Welder 1	30, 31	/Y	4.0	METAL WORK7 G WELDING @7 7 G
PMT0076	ADVANCED WELDER 2 Advanced Welder 2	30, 31	/Y	1.0	METAL WORK7 G WELDING @7 7 G

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9204400	WELDING TECH FUND Welding Technology Fundamentals	9-12 /				
9204410	WELD TECH FUNDS 1 Welding Technology Fundamentals 1/ Level 3	9-12 /Y	PA	1.0	METAL WORK7 WELDING @7	G 7 G
9204420	WELD TECH FUNDS 2 Welding Technology Fundamentals 2/ Level 3	9-12 /Y	PA	1.0	METAL WORK7 WELDING @7	G 7 G
9204430	WELD TECH FUNDS 3 Welding Technology Fundamentals 3/ Level 3	9-12 /Y	PA	1.0	METAL WORK7 WELDING @7	G 7 G
9204440	WELD TECH FUNDS 4 Welding Technology Fundamentals 4/ Level 3	9-12 /Y	PA	1.0	METAL WORK7 WELDING @7	G 7 G
9204450	WELD TECH FUNDS CAP Welding Technology Fundamentals Capstone/Level 3	9-12 /Y		1.0	METAL WORK7 WELDING @7	G 7 G

## SUPPLEMENTAL PROGRAMS

9260400	FUND OF MANUFACTUR Fundamentals of Manufacturing	6-8 /S			AUTO PROD 7 G ENG 7 G ENG&TEC ED 1 @2	ELECTRONIC @7 7 G IND ENGR 7 G
9260350	INTRO TO MANUFACTUR Introduction to Manufacturing	6-8 /S			AUTO PROD 7 G ENG 7 G ENG&TEC ED 1 @2	ELECTRONIC @7 7 G IND ENGR 7 G
9260360	INTRO TO MANUF & CP Introduction to Manufacturing and Career Planning	6-8 /S			AUTO PROD 7 G ENG 7 G ENG&TEC ED 1 @2	ELECTRONIC @7 7 G IND ENGR T G
9200420	MANUFACTURING OJT Manufacturing Cooperative Education OJT	9-12 /M		MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE	
9201000	MANUF DIRECTED ST Manufacturing Directed Study	11-12 /M		MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE	

## APPRENTICESHIP PROGRAMS

I48054R	APLD WELD TECH - APPR Applied Welding Technologies - Apprenticeship	30, 31 /				
I48020R	CMCL SGN DSNFAB- APPR Commercial Sign Design and Fabrication - Apprenticeship	30, 31 /				

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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-APPR Sheet Metal Fabrication Technology - Apprenticeship	30, 31 /			

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|MARKETING, SALES & SERVICES CAREER CLUSTER|  
-----MANAGEMENT & ENTREPRENEURSHIP CAREER PATH (MKPA)

8812000	BUSINESS OWNERSHIP Business Ownership/Level 3	9-12 /Y	PA	1.0	BUS ED 1 MKTG MGMT 7 G TC COOP ED @7 ADVR PROM 7 G	MKTG 1 RETAILING @7 7 G VOE @7
8812100	ENTREPRENEURSHIP Entrepreneurship	9-12 /				
8812110	PRIN OF ENTREPRENEUR Principles of Entrepreneurship/ Level 2	9-12 /Y	PA	1.0	BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TC COOP E@7 VOE @7	



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

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					COURSES MEETING	SUBJECT AREA	
8812120	BUSINESS MGMT & LAW Business Management and Law/Level 3	9-12	/Y	1.0	BUS ED	1	
					MKTG	1	
					MKTG MGMT	7	G
					RETAILING@7	7	G
					TC COOP E@7		
					VOE	@7	
8812000	BUSINESS OWNERSHIP Business Ownership/Level 3	9-12	/Y PA	1.0	BUS ED	1	
					MKTG	1	
					MKTG MGMT	7	G
					RETAILING@7	7	G
					TC COOP E@7		
					VOE	@7	
					ADVR PROM	7	G
PROFESSIONAL SALES & MARKETING CAREER PATH (MKPB)							
8827200	E-COMMERCE MARKETING E-Commerce Marketing	9-12	/				
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	9-12	/Y PA	1.0	BUS ED	1 @2	
					MKTG	1	
					MKTG MGMT	7	G
					RETAILING@7	7	G
					ADVR PROM	7	G
					TC COOP E@7		
8827120	MARKETING APPS Marketing Applications/Level 2	9-12	/Y PA	1.0	BUS ED	1 @2	
					MKTG	1	
					MKTG MGMT	7	G
					RETAILING@7	7	G
					ADVR PROM	7	G
8827210	E-COMMERCE MARKETING E-Commerce Marketing/Level 3	9-12	/Y	1.0	BUS ED	1 @2	
					MKTG	1	
					MKTG MGMT	7	G
					RETAILING@7	7	G
8806000	FASHION MARKETING Fashion Marketing	9-12	/				
8806010	FASH ESSENTIALS Fashion Essentials/Level 2	9-12	/Y PA	1.0	MKTG	1	
					MKTG MGMT	7	G
					RETAILING@7	7	G
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	9-12	/Y PA	1.0	BUS ED	1 @2	
					MKTG	1	
					MKTG MGMT	7	G
					RETAILING@7	7	G
					ADVR PROM	7	G
					TC COOP E@7		
8806020	FASHION APPL Fashion Applications/Level 2	9-12	/Y PA	1.0	MKTG	1	
					MKTG MGMT	7	G
					RETAILING@7	7	G
					BUS ED	1	

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8827120	MARKETING APPS Marketing Applications/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G ADVR PROM 7 G
8806030	FASH MKT MGMT 3 Fashion Marketing Management/Level 3	9-12	/Y PA	1.0	MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G
8839100	INTERNATIONAL MKT International Marketing	9-12	/		
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G ADVR PROM 7 G TC COOP E@7
8839110	INTL MARKETING 1 International Marketing 1/Level 2	9-12	/Y	1.0	BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TC COOP E@7
8839120	INTL MARKETING 2 International Marketing 2/Level 2	9-12	/Y	1.0	BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TC COOP E@7
8839130	INTL MARKETING 3 International Marketing 3/Level 3	9-12	/Y	1.0	BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TC COOP E@7
9200500	MKT, MGMT & ENTREN Marketing, Management and Entrepreneurial Principles	9-12	/		
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G ADVR PROM 7 G TC COOP E@7
8827120	MARKETING APPS Marketing Applications/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G ADVR PROM 7 G
8827130	MARKETING MANAGEMENT Marketing Management/Level 2	9-12	/Y PA	1.0	ADVR PROM 7 G BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@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
8812000	BUSINESS OWNERSHIP Business Ownership/Level 3	9-12	/Y PA	1.0	BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TC COOP E@7 VOE @7 ADVR PROM 7 G
M807010	REAL ESTA SLS AGT Real Estate Sales Agent	30, 31	/		
REE0047	REAL ESTATE SALES AG Real Estate Sales Agent	30, 31	/Y		SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
M200100	REAL EST SLS ASSC PL Real Estate Sales Associate Post Li censing	30, 31	/		
REE0089	REAL EST SALES ASSC Real Estate Sales Associate Post Li censing	30, 31	/Y		SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8827400	SPRT REC ENT MKT Sport, Recreation, and Entertainment Marketing	9-12	/		
8827410	SPORT REC ENT ESSEN Sport, Recreation, and Entertainment Essentials/Level 2	9-12	/Y	1.0	ADVR PROM 7 G BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G ADVR PROM 7 G TC COOP E@7
8827420	SPORT REC ENT APPL Sport, Recreation, and Entertainment Applications/Level 2	9-12	/Y PA	1.0	ADVR PROM 7 G BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G
8827120	MARKETING APPS Marketing Applications/Level 2	9-12	/Y PA	1.0	BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G ADVR PROM 7 G
8827430	SPRT REC ENT MKT MGM Sport, Recreation, and Entertainment Marketing Management/Level 3	9-12	/Y	1.0	ADVR PROM 7 G BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					COURSES MEETING	SUBJECT AREA	
8827440	SPRT REC ENT INTERN Sport, Recreation, and Entertainment Internship/Level 2	9-12	/Y	1.0	ADVR PROM T	G	
					BUS ED	1	
					MKTG	1	
					MKTG MGMT	7 G	
8800410	MARKETING COOP-OJT Marketing Cooperative Education- OJT /Level 2	9-12	/M	MULTIPLE	RETAILING@7	7 G	
					MKTG	1 @2	
					ADVR PROM	7 G	
					BUS ED	1	
					MKTG MGMT	7 G	
					RETAILING@7	7 G	
MARKETING INFORMATION MANAGEMENT & RESEARCH CAREER PATH (MKPE)							
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8848100	CUSTOMER SERVICE REP Customer Service Representative	9-12	/				
8848110	CUSTOMER SERV REPR 1 Customer Service Representative 1/ Level 2	9-12	/Y	1.0	ADVR PROM	7 G	
					BANK FINC@7	7 G	
					BUS ED	1 @2	
					HOTEL TRNG	7 G	
					INSURANCE	7 G	
					MKTG	1	
					MKTG MGMT	7 G	
					RETAILING@7	7 G	
					TRANSPORT	7 G	
8848120	CUSTOMER SERV REPR 2 Customer Service Representative 2/ Level 2	9-12	/Y	1.0	ADVR PROM	7 G	
					BANK FINC@7	7 G	
					BUS ED	1 @2	
					HOTEL TRNG	7 G	
					INSURANCE	7 G	
					MKTG	1	
					MKTG MGMT	7 G	
					RETAILING@7	7 G	
					TRANSPORT	7 G	
8848130	CUSTOMER SERV REPR 3 Customer Service Representative 3/ Level 2	9-12	/Y	1.0	ADVR PROM	7 G	
					BANK FINC@7	7 G	
					BUS ED	1 @2	
					HOTEL TRNG	7 G	
					INSURANCE	7 G	
					MKTG	1	
					MKTG MGMT	7 G	
					RETAILING@7	7 G	
					TRANSPORT	7 G	
8848140	CUSTOMER SERV REPR 4 Customer Service Representative 4/ Level 2	9-12	/Y	1.0	ADVR PROM	7 G	
					BANK FINC@7	7 G	
					BUS ED	1 @2	
					HOTEL TRNG	7 G	
					INSURANCE	7 G	
					MKTG	1	
					MKTG MGMT	7 G	
					RETAILING@7	7 G	
					TRANSPORT	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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					COURSES MEETING	SUBJECT AREA	
DISTRIBUTION & LOGISTICS CAREER PATH (MKPF)							
MB12040	DIST & LOG MGMT Distribution and Logistics Management	30, 31	/				
MNA0088	CUST SERVICE SPEC Customer Service Specialist	30, 31	/Y	1.5	MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
MKA0631	BILLING CLERK Billing Clerk	30, 31	/Y	1.5	MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
MKA0632	STOCK CLERK Stock Clerk	30, 31	/Y	1.0	MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
MKA0633	SALES REP, W & MANF Sales Representatives, Wholesale and Manufacturing	30, 31	/Y	2.0	MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
SUPPLEMENTAL PROGRAMS							
8800210	EX OF MKT OCCS Exploration of Marketing Occupations	6-8	/S		BUS ED 1 MKTG MGMT 7 G	MKTG	1
9380300	FUND OF MARKET OCCS Fundamentals of Marketing Occupations	6-8	/S		BUS ED 1 MKTG MGMT @7 G	MKTG	1
9309350	INTRO MKT SAL & SR Introduction to Marketing Sales and Service	6-8	/S		BUS ED 1 MKTG MGMT 7 G	MKTG	1
9309360	INTRO MKT & CP Introduction to Marketing Sales and Service and Career Planning	6-8	/S		BUS ED 1 MKTG MGMT 7 G	MKTG	1
8800110	ORIE TO MKT OCCS Orientation to Marketing Occupations	6-8	/S		BUS ED 1 MKTG MGMT 7 G	MKTG RETAILING @7 7 G	1
8800410	MARKETING COOP-OJT Marketing Cooperative Education- OJT /Level 2	9-12	/M	MULTIPLE	MKTG 1 @2 BUS ED 1 RETAILING @7 7 G	ADVR PROM KTG MGMT	7 G 7 G
8800100	MKT ED DIR STUDY Marketing Education Directed Study	11-12	/M	MULTIPLE	ANY MARKETING ED G BUS ED 1		
8899990	MKT ED TRAN Marketing Education Transfer	9-12	/		NA		
M000000	MKT ED TRANSFER Marketing 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
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TRANSPORTATION, DISTRIBUTION & LOGISTICS CAREER CLUSTER

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 FACILITY & MOBILE EQUIPMENT MAINTENANCE CAREER PATH (TRPD)  
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I470604	ADV AUTO SERVICE TEC Advanced Automotive Service Technology	30, 31	/		
AER0011	AUTO MAINT TECH Automotive Maintenance Technician	30, 31	/Y	2.5	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0118	ADV ENG RPR TECH Advanced Engine Repair Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0258	ADV AUTO TRANS TECH Advanced Automatic Transmission and Transaxle Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0275	ADV MAN DT/AXLE TECH Advanced Manual Drivetrain and Axle Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0459	ADV AUTO SUSP & STEE Advanced Automotive Suspension and Steering Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0419	ADV AUTO BRAKE SYS Advanced Automotive Brake System Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0319	ADV AUTO ELEC TECH Advanced Automotive Electrical/ Electronic System Technician	30, 31	/Y	2.5	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0173	ADV AUTO HEAT&AC Advanced Automotive Heating and Air Conditioning Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0506	ADV AUTO ENGN PERF T Advanced Automotive Engine Performance Technician	30, 31	/Y	2.5	AUTO IND @7 %7 %G AUTO MECH@7 7 G
T600100	ADV AUTO SVR TECH 1 Advanced Automotive Service Technology 1	30, 31	/		
AER0011	AUTO MAINT TECH Automotive Maintenance Technician	30, 31	/Y	2.5	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0319	ADV AUTO ELEC TECH Advanced Automotive Electrical/ Electronic System Technician	30, 31	/Y	2.5	AUTO IND @7 %7 %G AUTO MECH@7 7 G
T600200	ADV AUTO SVR TECH 2 Advanced Automotive Service Technology 2	30, 31	/		
AER0118	ADV ENG RPR TECH Advanced Engine Repair Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0258	ADV AUTO TRANS TECH Advanced Automatic Transmission and Transaxle Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING			CERTIFICATION
					CREDIT	CERTIFICATION	CERTIFICATION	
AERO275	ADV MAN DT/AXLE TECH Advanced Manual Drivetrain and Axle Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G			
AERO459	ADV AUTO SUSP & STEE Advanced Automotive Suspension and Steering Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G			
AERO419	ADV AUTO BRAKE SYS Advanced Automotive Brake System Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G			
AERO173	ADV AUTO HEAT&AC Advanced Automotive Heating and Air Conditioning Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G			
AERO506	ADV AUTO ENGN PERF T Advanced Automotive Engine Performance Technician	30, 31	/Y	2.5	AUTO IND @7 %7 %G AUTO MECH@7 7 G			
<sup>a</sup> T401200	<sup>a</sup> ALTERNATIVE FUEL TEC Alternative Fuels Technology	30, 31	/					
<sup>a</sup> AERO875	<sup>a</sup> ALT FUELS MAINT TECH Alternative Fuels Maintenance Technician	30, 31	/Y	2.0	AUTO MECH@7 7 G			
<sup>a</sup> AERO876	<sup>a</sup> ADV ALT FUELS TECH Advanced Alternative Fuels Technician	30, 31	/Y	2.0	AUTO MECH@7 7 G			
<sup>a</sup> AERO877	<sup>a</sup> CNG FUEL SYS INSPECT CNG Fuel System Inspector	30, 31	/Y	1.0	AUTO MECH@7 7 G			
9514000	AUTO COLLISION TECH Automotive Collision Technology	9-12	/					
9514010	COLL PAINT/BODY ASST Automotive Collision Paint and Body Assistant/Level 2	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G			
9514020	COLL PAINT/REF ASST1 Automotive Collision Paint and Refinishing Assistant 1/Level 2	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G			
9514030	COLL PAINT/REF ASST2 Automotive Collision Paint and Refinishing Assistant 2/Level 2	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G			
9514040	COLL PAINT/REF ASST3 Automotive Collision Paint and Refinishing Assistant 3/Level 2	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G			
9514050	COLL NON-STRUCT 1 Automotive Collision Non-Structural Damage Assistant 1/Level 2	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G			
9514060	COLL NON-STRUCT 2 Automotive Collision Non-Structural Damage Assistant 2/Level 2	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO BODY@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
T401300	AUTO COLL TECH TEC Automotive Collision Technology Technician	30, 31	/		
ARR0140	COLL REPAIR HELPER Automotive Collision Repair and Refinishing Helper/Assistant	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G
ARR0141	COLL REFINISHING TEC Automotive Collision Refinishing Technician	30, 31	/Y	3.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G
ARR0312	NON-STRUC DAMAGE TEC Non-Structural Damage Repair Technician	30, 31	/Y	2.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G
ARR0022	DAMAGE ANALYSIS/EST Damage Analysis and Estimating	30, 31	/S	0.5	AUTO IND @7 %7 %G AUTO BODY@7 7 G
ARR0112	AUTO COLL WELDING Automotive Collision Welding, Cutting and Joining	30, 31	/S	0.5	AUTO IND @7 %7 %G AUTO BODY@7 7 G
ARR0295	STRUCT DAMAGE REPAIR Structural Damage Repair Technician	30, 31	/Y	2.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G
<sup>a</sup> T401100	<sup>a</sup> AUTO CNG/LPG TECH Automotive Compressed Natural Gas/ Liquid Propane Gas Technician	30, 31	/		
AER0014	AUTO SERVICES ASST Automobile Services Assistor	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0360	AUTO ELEC/ELECT TECH Automotive Electrical/Electronic System Technician	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0503	AUTO ENGN PERF TECH Automotive Engine Performance Technician	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0871	AUTO CNG TECHNICIAN Automotive Compressed Natural Gas Technician	30, 31	/Y	1.0	AUTO MECH@7 7 G
AER0872	AUTO LPG TECHNICIAN Automotive Liquid Propane Gas Technician	30, 31	/Y	1.0	AUTO MECH@7 7 G
<sup>a</sup> T400910	<sup>a</sup> AUTO CUSTOMER SERVIC Automotive Customer Service Advisor	30, 31	/		
<sup>a</sup> AER0075	INTRO AUTO SERV ADV Introduction to Automotive Service Advisor	30, 31	/S	0.5	AUTO MECH@7 7 G CUST SERV 7 G MKTG 1 @2 MKTG MGMT@7 7 G RETAILING@7 7 G
<sup>a</sup> AER0076	INTRO AUTO CUST SERV Introduction to Automotive Customer Service	30, 31	/S	0.5	AUTO MECH@7 7 G CUST SERV 7 G MKTG 1 @2 MKTG MGMT@7 7 G RETAILING@7 7 G



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					COURSES MEETING			
<sup>a</sup> AERO077	DEALER POLICIES/PROC Dealership Policies and Procedures	30, 31	/S	0.5	AUTO MECH@7	7	G	
					CUST SERV	7	G	
					MKTG	1 @2		
					MKTG MGMT@7	7	G	
					RETAILING@7	7	G	
<sup>a</sup> AERO946	DEALER SERV INTERN Dealership Service Advisor Internship	30, 31	/Y	1.0	AUTO MECH@7	7	G	
					CUST SERV	7	G	
					MKTG	1 @2		
					MKTG MGMT@7	7	G	
					RETAILING@7	7	G	
<sup>a</sup> AERO078	SERVICE ADVISOR PART Service Advisor Parts Analyst	30, 31	/Y	1.0	AUTO MECH@7	7	G	
					CUST SERV	7	G	
					MKTG	1 @2		
					MKTG MGMT@7	7	G	
					RETAILING@7	7	G	
<sup>a</sup> T400710	<sup>a</sup> AUTO DRIVETRAIN TEC Automotive Drivetrain Technician	30, 31	/					
AERO014	AUTO SERVICES ASST Automobile Services Assistor	30, 31	/Y	2.0	AUTO MECH@7	7	G	
AERO110	ENGN RPR TECH Engine Repair Technician	30, 31	/Y	1.0	AUTO IND @7	%7	%G	
AERO274	MAN DRIVETRAIN/AXLE Manual Drivetrain/Axle Technician	30, 31	/Y	1.0	AUTO MECH@7	7	G	
AERO257	AUTO TRANS&AXLE TECH Automatic Transmission and Transaxle Technician	30, 31	/Y	1.0	AUTO IND @7	%7	%G	
					AUTO MECH@7	7	G	
T400720	AUTO ELECTRICAL TEC Automotive Electrical Technician	30, 31	/					
AERO014	AUTO SERVICES ASST Automobile Services Assistor	30, 31	/Y	2.0	AUTO MECH@7	7	G	
AERO360	AUTO ELEC/ELECT TECH Automotive Electrical/Electronic System Technician	30, 31	/Y	2.0	AUTO IND @7	%7	%G	
AERO172	AUTO HEAT&AC TECH Automotive Heating and Air Conditioning Technician	30, 31	/Y	1.0	AUTO MECH@7	7	G	
					AUTO IND @7	%7	%G	
T400730	AUTO GEN SERV TECH Automotive General Service Technician	30, 31	/					
AERO014	AUTO SERVICES ASST Automobile Services Assistor	30, 31	/Y	2.0	AUTO MECH@7	7	G	
AERO418	AUTO BRAKE SYS TECH Automotive Brake System Technician	30, 31	/Y	1.0	AUTO IND @7	%7	%G	
AERO453	AUTO SUSP & STEER TE Automobile Suspension and Steering Technician	30, 31	/Y	1.0	AUTO MECH@7	7	G	
					AUTO IND @7	%7	%G	
AERO110	ENGN RPR TECH Engine Repair Technician	30, 31	/Y	1.0	AUTO MECH@7	7	G	
					AUTO IND @7	%7	%G	

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
9504100	AUTO MAINT/LT REPAIR Automotive Maintenance and Light Repair	9-12	/		
9504110	AUTO MAINT/LT RPR 1 Automotive Maintenance and Light Repair 1/Level 3	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
9504120	AUTO MAINT/LT RPR 2 Automotive Maintenance and Light Repair 2/Level 3	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
9504130	AUTO MAINT/LT RPR 3 Automotive Maintenance and Light Repair 3/Level 3	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
9504140	AUTO MAINT/LT RPR 4 Automotive Maintenance and Light Repair 4/Level 3	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
9504150	AUTO MAINT/LT RPR 5 Automotive Maintenance and Light Repair 5/Level 3	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
9504160	AUTO MAINT/LT RPR 6 Automotive Maintenance and Light Repair 6/Level 3	9-12	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
T404100	AUTO MAINT & LIGHT Automotive Maintenance and Light Repair Technician	30, 31	/		
AER0025	MAINT & LIGHT RPR 1 Maintenance and Light Repair Technician 1	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0026	MAINT & LIGHT RPR 2 Maintenance and Light Repair Technician 2	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0027	MAINT & LIGHT RPR 3 Maintenance and Light Repair Technician 3	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0028	MAINT & LIGHT RPR 4 Maintenance and Light Repair Technician 4	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
T400740	AUTO PERFORMANCE TEC Automotive Performance Technician	30, 31	/		
AER0014	AUTO SERVICES ASST Automobile Services Assistor	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0360	AUTO ELEC/ELECT TECH Automotive Electrical/Electronic System Technician	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0110	ENGN RPR TECH Engine Repair Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0503	AUTO ENGN PERF TECH Automotive Engine Performance Technician	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G

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PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
I470608	AUTO SERVICE TECH Automotive Service Technology	30, 31	/		
AER0014	AUTO SERVICES ASST Automobile Services Assistor	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0110	ENGN RPR TECH Engine Repair Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0257	AUTO TRANS&AXLE TECH Automatic Transmission and Transaxle Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0274	MAN DRIVETRAIN/AXLE Manual Drivetrain/Axle Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0453	AUTO SUSP & STEER TE Automobile Suspension and Steering Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0418	AUTO BRAKE SYS TECH Automotive Brake System Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0360	AUTO ELEC/ELECT TECH Automotive Electrical/Electronic System Technician	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0172	AUTO HEAT&AC TECH Automotive Heating and Air Conditioning Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0503	AUTO ENGN PERF TECH Automotive Engine Performance Technician	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
T400700	AUTO SERVICE TECH 1 Automotive Service Technology 1	30, 31	/		
AER0014	AUTO SERVICES ASST Automobile Services Assistor	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0418	AUTO BRAKE SYS TECH Automotive Brake System Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0453	AUTO SUSP & STEER TE Automobile Suspension and Steering Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0360	AUTO ELEC/ELECT TECH Automotive Electrical/Electronic System Technician	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0110	ENGN RPR TECH Engine Repair Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
T400800	AUTO SERVICE TECH 2 Automotive Service Technology 2	30, 31	/		
AER0503	AUTO ENGN PERF TECH Automotive Engine Performance Technician	30, 31	/Y	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0257	AUTO TRANS&AXLE TECH Automatic Transmission and Transaxle Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0274	MAN DRIVETRAIN/AXLE Manual Drivetrain/Axle Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		
					CERTIFICATION		
AERO172	AUTO HEAT&AC TECH Automotive Heating and Air Conditioning Technician	30, 31	/Y	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G		
T640300	AVIATION AIRFRAME Aviation Airframe Mechanics	30, 31	/				
AMT0705	AV MAINT GEN TECH Aviation Maintenance General Technician	30, 31	/Y	3.0	AIR MECH @7 7 G		
AMT0765	AV MAINT AF TECH 1 Aviation Maintenance Airframe Technician 1	30, 31	/Y PA	3.0	AIR MECH @7 7 G		
AMT0766	AV MAINT AF TECH 2 Aviation Maintenance Airframe Technician 2	30, 31	/Y	3.0	AIR MECH @7 7 G		
9540700	AVIATION ASSEMB/FAB Aviation Assembly and Fabrication	9-12	/				
9540610	PRIVATE PIOLT GROUND Private Pilot Ground School /Level 3	9-12	/Y	1.0	AIR MECH @7 7 G AVIONICS @7 7 G AEROSPACE 7 G ENG TEC 7 G ENG&TEC ED1 @2		
9540710	AVIATION ASSEMB TEC1 Aviation Assembly Technician 1/ Level 3	9-12	/Y	1.0	AIR MECH @7 7 G AVIONICS @7 7 G AEROSPACE 7 G ENG TEC 7 G ENG&TEC ED1 @2		
9540720	AVIATION ASSEMB TEC2 Aviation Assembly Technician 2/ Level 3	9-12	/Y	1.0	AIR MECH @7 7 G AVIONICS @7 7 G AEROSPACE 7 G ENG TEC 7 G ENG&TEC ED1 @2		
9540730	AVIATION ASSEMB TEC3 Aviation Assembly Technician 3/ Level 3	9-12	/Y	1.0	AIR MECH @7 7 G AVIONICS @7 7 G AEROSPACE 7 G ENG TEC 7 G ENG&TEC ED1 @2		
9540600	AVIATION MAINT GEN Aviation Maintenance General	9-12	/				
9540610	PRIVATE PIOLT GROUND Private Pilot Ground School /Level 3	9-12	/Y	1.0	AIR MECH @7 7 G AVIONICS @7 7 G AEROSPACE 7 G ENG TEC 7 G ENG&TEC ED1 @2		
8715110	AVIATION MAINT GEN 1 Aviation Maintenance General 1/ Level 3	9-12	/Y	1.0	AIR MECH @7 7 G		
8715120	AVIATION MAINT GEN 2 Aviation Maintenance General 2/ Level 3	9-12	/Y	1.0	AIR MECH @7 7 G		

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

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8715130	AVIATION MAINT GEN 3 Aviation Maintenance General 3/ Level 3	9-12	/Y	1.0	AIR MECH @7	7	G
T640400	AVIATION POWPL MECH Aviation Powerplant Mechanics	30, 31	/				
AMT0705	AV MAINT GEN TECH Aviation Maintenance General Technician	30, 31	/Y	3.0	AIR MECH @7	7	G
AMT0775	AV POWERPLANT TECH 1 Aviation Maintenance Powerplant Technician 1	30, 31	/Y	3.0	AIR MECH @7	7	G
AMT0776	AV POWERPLANT TECH 2 Aviation Maintenance Powerplant Technician 2	30, 31	/Y	3.0	AIR MECH @7	7	G
9504300	AVIONICS SYSTEMS Avionics Systems	9-12	/				
9504310	AVIONICS FUND 1 Avionics Fundamentals 1/Level 3	9-12	/Y	1.0	AVIONICS @7	7	G
9504320	AVIONICS FUND 2 Avionics Fundamentals 2/Level 3	9-12	/Y	1.0	AVIONICS @7	7	G
9504330	AVIONICS FUND 3 Avionics Fundamentals 3/Level 3	9-12	/Y	1.0	AVIONICS @7	7	G
9504340	AVIONICS FUND 4 Avionics Fundamentals 4/Level 3	9-12	/Y	1.0	AVIONICS @7	7	G
9504350	AVIONICS FUND CAP Avionics Fundamentals Capstone/ Level 3	9-12	/Y	1.0	AVIONICS @7	7	G
T400310	AVIONICS SYS TECH Avionics Systems Technician	30, 31	/				
AVS0680	BASIC ELEC WIRE INST Basic Electronics Wiring Installer/ Technician	30, 31	/Y	1.0	AVIONICS @7	7	G
AVS0681	ELECT SYSTEMS TECH Electrical Systems Technician	30, 31	/Y	1.0	AVIONICS @7	7	G
AVS0682	ANALOG CIRCUITS TECH Analog Circuits Technician	30, 31	/Y	1.0	AVIONICS @7	7	G
AVS0683	AIRCRAFT ELECT TECH Aircraft Electronics Technician	30, 31	/Y	1.0	AVIONICS @7	7	G
AVS0684	AVIONICS INSTALL/TEC Avionics Installer/Technician	30, 31	/Y	2.0	AVIONICS @7	7	G
AVS0685	ADV AVIONICS INSTALL Advanced Avionics Installer/Technician	30, 31	/Y	2.0	AVIONICS @7	7	G

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION		
T650500	CONSTRUCT VEH TECH Constructi on Vehi cle Techni ci an	30, 31	/				
TRA0073	CONSTRUCT VEH DRIVER Constructi on Vehi cle Driver	30, 31	/Y	1.0	OPER ENGR@7	7	G
TRA0074	CONSTRUCT VEH MAINT Constructi on Vehi cle Maintenance Techni ci an	30, 31	/Y	1.0	OPER ENGR@7	7	G
TRA0075	CONSTRUCT VEH OPER Constructi on Vehi cle Operator	30, 31	/Y	1.5	OPER ENGR@7	7	G
T440400	DI ESEL MAINT TECH Di esel Maintenance Techni ci an	30, 31	/				
DIM0101	DSL ENGN MEC/TEC HLP Di esel Engi ne Mechani c/Techni ci an Hel per	30, 31	/Y	1.0	DI ESEL ME@7	7	G
DIM0131	DI ESEL AIRBRAKE TECH Di esel Air Brake Techni ci an	30, 31	/Y	1.0	DI ESEL ME@7	7	G
DIM0153	DI ESEL MAINT TECH Di esel Preventati ve Maintenance Techni ci an	30, 31	/Y	2.0	DI ESEL ME@7	7	G
9504400	DI ESEL MAINT TECH Di esel Maintenance Technology	9- 12	/				
8742010	DI ESEL ENGN SERV 1 Di esel Engi ne Servi ce 1/Level 3	9- 12	/Y	1.0	DI ESEL ME@7	7	G
9504410	DI ESEL MAINT TECH 1 Di esel Maintenance Technology 1/ Level 2	9- 12	/Y	1.0	DI ESEL ME@7	7	G
9504420	DI ESEL MAINT TECH 2 Di esel Maintenance Technology 2/ Level 3	9- 12	/Y	1.0	DI ESEL ME@7	7	G
9504430	DI ESEL MAINT TECH 3 Di esel Maintenance Technology 3/ Level 3	9- 12	/Y	1.0	DI ESEL ME@7	7	G
I470605	DI ESEL SYS TECH Di esel Systems Techni ci an	30, 31	/				
DIM0101	DSL ENGN MEC/TEC HLP Di esel Engi ne Mechani c/Techni ci an Hel per	30, 31	/Y	1.0	DI ESEL ME@7	7	G
DIM0102	DSL ELEC & ELECT TEC Di esel Electrical and Electronics Techni ci an	30, 31	/Y	2.0	DI ESEL ME@7	7	G
DIM0103	DSL ENG PREV MAINT Di esel Engi ne Preventati ve Maintenance Techni ci an	30, 31	/Y	1.0	DI ESEL ME@7	7	G
DIM0104	DI ESEL ENGINE TECH Di esel Engi ne Techni ci an	30, 31	/Y	2.0	DI ESEL ME@7	7	G
DIM0105	DI ESEL BRAKES TECH Di esel Brakes Techni ci an	30, 31	/Y	2.0	DI ESEL ME@7	7	G

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
DIM0106	DSL HEAT & AC TECH Diesel Heating and Air Conditioning Technician	30, 31	/Y	1.0	DI ESEL ME@7 7 G
DIM0107	DSL STEER & SUSP TEC Diesel Steering and Suspension Technician	30, 31	/Y	1.0	DI ESEL ME@7 7 G
DIM0108	DSL DRIVETRAIN TECH Diesel Drivetrain Technician	30, 31	/Y	1.0	DI ESEL ME@7 7 G
DIM0109	DI ESEL HYDRA TECH Diesel Hydraulics Technician	30, 31	/Y	1.0	DI ESEL ME@7 7 G
T650100	DI ESEL SYS TECH 1 Diesel Systems Technician 1	30, 31	/		
DIM0101	DSL ENGN MEC/TEC HLP Diesel Engine Mechanic/Technician Helper	30, 31	/Y	1.0	DI ESEL ME@7 7 G
DIM0102	DSL ELEC & ELECT TEC Diesel Electrical and Electronics Technician	30, 31	/Y	2.0	DI ESEL ME@7 7 G
DIM0104	DI ESEL ENGINE TECH Diesel Engine Technician	30, 31	/Y	2.0	DI ESEL ME@7 7 G
DIM0105	DI ESEL BRAKES TECH Diesel Brakes Technician	30, 31	/Y	2.0	DI ESEL ME@7 7 G
T650200	DI ESEL SYS TECH 2 Diesel Systems Technician 2	30, 31	/		
DIM0103	DSL ENG PREV MAINT Diesel Engine Preventative Maintenance Technician	30, 31	/Y	1.0	DI ESEL ME@7 7 G
DIM0106	DSL HEAT & AC TECH Diesel Heating and Air Conditioning Technician	30, 31	/Y	1.0	DI ESEL ME@7 7 G
DIM0107	DSL STEER & SUSP TEC Diesel Steering and Suspension Technician	30, 31	/Y	1.0	DI ESEL ME@7 7 G
DIM0108	DSL DRIVETRAIN TECH Diesel Drivetrain Technician	30, 31	/Y	1.0	DI ESEL ME@7 7 G
DIM0109	DI ESEL HYDRA TECH Diesel Hydraulics Technician	30, 31	/Y	1.0	DI ESEL ME@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	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						COURSES MEETING	SUBJECT AREA
9503100	GLOB LOG & SUP CH TE Global Logistics and Supply Chain Technology	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	PA	1.0	ACCTING @7 7 G BANK FINC@7 7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G MANAG SUPV7 G MKTG 1 @2 MKTG MGMT 7 G WEB DEV 7 G	
9503110	GLOB LOG & SUP CH TE Global Logistics and Supply Chain Technology/Level 3	9-12	/Y		1.0	BUS ED 1 LOG TECH 7 G	
9503120	INTRO TO IT APPS Introduction to Information Technology Applications/Level 3	9-12	/Y		1.0	BUS ED 1 LOG TECH 7 G	
9503130	GLOB LOG OPS Global Logistics Operations/Level 3	9-12	/Y		1.0	BUS ED 1 LOG TECH 7 G	
9503140	GLOB LOG MGMT Global Logistics Management/Level 3	9-12	/Y		1.0	BUS ED 1 LOG TECH 7 G	
T300100	GLOB LOG & SUP CH TE Global Logistics and Supply Chain Technology	30, 31	/				
TRA0180	PACKER Packer	30, 31	/Y		1.0	BUS ED 1 LOG TECH 7 G	
TRA0181	MATERIAL HANDLER Material Handler	30, 31	/Y		1.0	BUS ED 1 LOG TECH 7 G	
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30, 31	/Y	PA	1.0	ACCTING @7 7 G ADMIN ASST7 G BUS ED 1 @2 COMM ART @7 7 G COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G MANAG SUPV7 G	
TRA0182	SHIP, REC, TRF CLERK Shipping, Receiving and Traffic Clerk	30, 31	/Y		1.0	BUS ED 1 LOG TECH 7 G	
TRA0183	LOGISTICS TECH Logistics Technician	30, 31	/Y		1.0	BUS ED 1 LOG TECH 7 G	
T440200	HEAVY EQ OPS TECH Heavy Equipment Operations Technician	30, 31	/				
TRA0070	HVY EQUIP MAINT TECH Heavy Equipment Maintenance Technician	30, 31	/Y		1.0	OPER ENGR@7 7 G	
TRA0086	TRACTOR OPERATOR Tractor Operator	30, 31	/Y		1.0	OPER ENGR@7 7 G	



PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	COURSES MEETING		CERTIFICATION
					SUBJECT AREA		
TRA0087	OFFRD EQUIP OP 1 Offroad Equipment Operator 1	30, 31	/Y	2.0	OPER	ENGR@7	7 G
TRA0088	OFFRD EQUIP OP 2 Offroad Equipment Operator 2	30, 31	/Y	2.0	OPER	ENGR@7	7 G
TRA0049	CRANE OPERATOR Crane Operator	30, 31	/Y	2.0	OPER	ENGR@7	7 G
T440100	HVY EQ SERVICE TECH Heavy Equipment Service Technician	30, 31	/				
DIM0101	DSL ENGN MEC/TEC HLP Diesel Engine Mechanic/Technician Helper	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
DIM0102	DSL ELEC & ELECT TEC Diesel Electrical and Electronics Technician	30, 31	/Y	2.0	DI ESEL	ME@7	7 G
DIM0103	DSL ENG PREV MAINT Diesel Engine Preventative Maintenance Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
DIM0104	DI ESEL ENGINE TECH Diesel Engine Technician	30, 31	/Y	2.0	DI ESEL	ME@7	7 G
DIM0130	DI ESEL BRAKES/FLUID Diesel Brakes/Fluid Technician	30, 31	/Y	2.0	DI ESEL	ME@7	7 G
DIM0106	DSL HEAT & AC TECH Diesel Heating and Air Conditioning Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
DIM0107	DSL STEER & SUSP TEC Diesel Steering and Suspension Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
DIM0108	DSL DRIVETRAIN TECH Diesel Drivetrain Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
DIM0110	DI ESEL POWER TR TECH Diesel Power Train Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
T400210	MARINE SERVICE TECH Marine Service Technologies	30, 31	/				
MTE0003	MARINE RIGGER Marine Rigger	30, 31	/Y	2.0	DI ESEL	ME@7	7 G
MTE0090	OUTBOARD ENGINE TECH Outboard Engine Technician	30, 31	/Y	2.0	DI ESEL	ME@7	7 G
MTE0074	OUTBOARD ENG DIAG Outboard Engine Diagnostics Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
MTE0092	INBOARD GAS ENG TECH Inboard Gas Engine Technician	30, 31	/Y	2.0	DI ESEL	ME@7	7 G
MTE0093	DRIVE TRAIN TECH Drive Train Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
MTE0056	INBOARD DIESEL TECH Inboard Diesel Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
					GASENG	RP@7	7 G

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9540400	MOBILE ELECT TECH Mobile Electronics Technology	9-12	/				
9540410	MOBILE ELECT TECH 1 Mobile Electronics Technology 1/ Level 2	9-12	/Y	1.0	AUTO MECH@7	7	G
					COMP SVC	7	G
					ELECTRONI@7	7	G
9540420	MOBILE ELECT TECH 2 Mobile Electronics Technology 2/ Level 2	9-12	/Y	1.0	AUTO MECH@7	7	G
					COMP SVC	7	G
					ELECTRONI@7	7	G
9540500	MOTORCYCLE SERV TECH Motorcycle Service Technologies	9-12	/				
8766110	MOTORCYCLE SERV 1 Motorcycle Service 1/Level 2	9-12	/Y	1.0	MOTORCYCL@7	7	G
8766120	MOTORCYCLE SERV 2 Motorcycle Service 2/Level 2	9-12	/Y	1.0	MOTORCYCL@7	7	G
8766130	MOTORCYCLE SERV 3 Motorcycle Service 3/Level 2	9-12	/Y	1.0	MOTORCYCL@7	7	G
8766140	MOTORCYCLE SERV 4 Motorcycle Service 4/Level 2	9-12	/Y	1.0	MOTORCYCL@7	7	G
8766150	MOTORCYCLE SERV 5 Motorcycle Service 5/Level 2	9-12	/Y	1.0	MOTORCYCL@7	7	G
8766160	MOTORCYCLE SERV 6 Motorcycle Service 6/Level 2	9-12	/Y	1.0	MOTORCYCL@7	7	G
8766170	MOTORCYCLE SERVICE 7 Motorcycle Service 7/Level 2	9-12	/Y	1.0	MOTORCYCL@7	7	G
8766180	MOTORCYCLE SERVICE 8 Motorcycle Service 8/Level 2	9-12	/Y	1.0	MOTORCYCL@7	7	G
9504200	OUTBOARD MARINE SER Outboard Marine Service Technology	9-12	/				
9504210	OUTBOARD MARINE 1 Outboard Marine Service 1/Level 3	9-12	/Y	1.0	DI ESEL ME@7	7	G
					GASENG RP@7	7	G
9504220	OUTBOARD MARINE 2 Outboard Marine Service 2/Level 3	9-12	/Y	1.0	DI ESEL ME@7	7	G
					GASENG RP@7	7	G
9504230	OUTBOARD MARINE 3 Outboard Marine Service 3/Level 3	9-12	/Y	1.0	DI ESEL ME@7	7	G
					GASENG RP@7	7	G
9504240	OUTBOARD MARINE 4 Outboard Marine Service 4/Level 3	9-12	/Y	1.0	DI ESEL ME@7	7	G
					GASENG RP@7	7	G
9504250	ADV MARINE TECH 1 Advanced Marine Technology 1/Level 3	9-12	/Y	1.0	DI ESEL ME@7	7	G
					GASENG RP@7	7	G
9504260	ADV MARINE TECH 2 Advanced Marine Technology 2/Level 3	9-12	/Y	1.0	DI ESEL ME@7	7	G
					GASENG RP@7	7	G
9504270	OUTBOARD MARINE CAP Outboard Marine Service Capstone/ Level 3	9-12	/Y	1.0	DI ESEL ME@7	7	G
					GASENG RP@7	7	G
T410300	POWER EQUIPMENT TECH Power Equipment Technologies	30, 31	/				
SER0080	POWER EQUIP SRV TEC1 Power Equipment Service Technician 1	30, 31	/Y	2.0	GASENG RP@7	7	G
SER0081	POWER EQUIP SRV TEC2 Power Equipment Service Technician 2	30, 31	/Y	2.0	GASENG RP@7	7	G

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SER0082	POWER EQUIP SRV TEC3 Power Equipment Service Technician 3	30, 31	/Y	2.0	GASENG	RP@7	7 G
9504500	POWER EQUIPMENT TECH Power Equipment Technology	9-12	/				
9504510	POWER & EQUIP TECH 1 Power and Equipment Technology 1/ Level 3	9-12	/Y	1.0	GASENG	RP@7	7 G
9504520	POWER & EQUIP TECH 2 Power and Equipment Technology 2/ Level 3	9-12	/Y	1.0	GASENG	RP@7	7 G
9504530	POWER & EQUIP TECH 3 Power and Equipment Technology 3/ Level 3	9-12	/Y	1.0	GASENG	RP@7	7 G
9504540	POWER & EQUIP TECH 4 Power and Equipment Technology 4/ Level 3	9-12	/Y	1.0	GASENG	RP@7	7 G
9504550	POWER & EQUIP TECH 5 Power and Equipment Technology 5/ Level 3	9-12	/Y	1.0	GASENG	RP@7	7 G
9504560	POWER & EQUIP TECH 6 Power and Equipment Technology 6/ Level 3	9-12	/Y	1.0	GASENG	RP@7	7 G
T660100	TRANSIT TECHNICIAN 1 Transit Technician 1	30, 31	/				
DIM0810	TRANSIT EQUIP PREV Transit Equipment Preventative Maintenance Technician	30, 31	/Y	1.5	DI ESEL	ME@7	7 G
DIM0811	TRANSIT BASIC ELEC Transit Basic Electrical Systems Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
DIM0812	TRANSIT WHEELCHAIR Transit Wheelchair Lift/Ramp Technician	30, 31	/S	0.5	DI ESEL	ME@7	7 G
DIM0813	TRANSIT DSL ENG PREV Transit Diesel Engine Preventative Maintenance Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
DIM0814	TRANSIT STEER & SUSP Transit Steering and Suspension Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
T660200	TRANSIT TECHNICIAN 2 Transit Technician 2	30, 31	/				
DIM0820	TRANSIT HYDR TECH Transit Hydraulics Technician	30, 31	/S	0.5	DI ESEL	ME@7	7 G
DIM0821	TRANSIT DIESEL ELEC Transit Diesel Electrical and Diesel Engine Electronics Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G
DIM0822	TRANSIT DRIVETRAIN Transit Drivetrain Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G

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					COURSES MEETING			
DIM0823	TRANSIT INTM ELEC Transit Intermediate Electrical Systems Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G	
DIM0824	TRANSIT BRAKES/AIR Transit Brakes/Air System Technician	30, 31	/Y	1.5	DI ESEL	ME@7	7 G	
T660300	TRANSIT TECHNICIAN 3 Transit Technician 3	30, 31	/					
DIM0830	TRANSIT ALT FUELS Transit Alternate Fuels System Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G	
DIM0831	TRANSIT ADV ELEC SYS Transit Advanced Electrical Systems Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G	
DIM0832	TRANSIT HEAT & AIR Transit Heating and Air-Conditioning Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G	
DIM0833	TRANS DIAG, REBUILD Transmission Diagnosis, Rebuild and Repair Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G	
DIM0834	DSL ENG DIAG, REBLD Diesel Engine Diagnosis, Rebuild and Repair Technician	30, 31	/Y	1.0	DI ESEL	ME@7	7 G	
9505100	UAS OPERATIONS Unmanned Aircraft Systems (UAS) Operations	9-12	/					
9540610	PRIVATE PILOT GROUND Private Pilot Ground School/Level 3	9-12	/Y	1.0	AIR MECH @7	7 G		
					AVIONICS @7	7 G		
					AEROSPACE	7 G		
					ENG TEC	7 G		
					ENG&TEC ED1	@2		
9505110	UAS OPERATIONS 1 UAS Operations 1/Level 3	9-12	/Y	1.0	AIR MECH @7	7 G		
					AVIONICS @7	7 G		
					AEROSPACE	7 G		
					ENG TEC	7 G		
					ENG&TEC ED1	@2		
9505120	UAS OPERATIONS 2 UAS Operations 2/Level 3	9-12	/Y	1.0	AIR MECH @7	7 G		
					AVIONICS @7	7 G		
					AEROSPACE	7 G		
					ENG TEC	7 G		
					ENG&TEC ED1	@2		
9505130	UAS OPERATIONS 3 UAS Operations 3/Level 3	9-12	/Y	1.0	AIR MECH @7	7 G		
					AVIONICS @7	7 G		
					AEROSPACE	7 G		
					ENG TEC	7 G		
					ENG&TEC ED1	@2		

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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
----- TRANS SYS/INFRASTRUCTURE PLAN, MGMT & REGS PATH (TRPE) -----					
I490251	CMCL CLASS B DRIVING Commercial Class B Driving	30, 31	/		
TRA0084	TRUCK DRIV HVY FL"B" Truck Driver Heavy Florida Class "B"	30, 31	/Y	1.0	COMM DRIV@7 7 G
8751200	COMMERCIAL FISHING Commercial Fishing	9-12	/		
8751210	COMM FISH 1 Commercial Fishing 1/Level 2	9-12	/Y	1.0	COMM FISH 7 G
8751220	COMM FISH 2 Commercial Fishing 2/Level 2	9-12	/Y	1.0	COMM FISH 7 G
8751230	COMM FISH 3 Commercial Fishing 3/Level 2	9-12	/Y	1.0	COMM FISH 7 G
8751240	COMM FISH 4 Commercial Fishing 4/Level 2	9-12	/Y	1.0	COMM FISH 7 G
8751250	COMM FISH 5 Commercial Fishing 5/Level 2	9-12	/Y	1.0	COMM FISH 7 G
I490205	CMCL VEHICLE DRIVING Commercial Vehicle Driving	30, 31	/		
TRA0080	TRACTOR TRAIL TRK DR Tractor Trailer Truck Driver	30, 31	/Y	2.0	COMM DRIV@7 7 G
----- SUPPLEMENTAL PROGRAMS -----					
9590400	FUND OF TRANSPORT Fundamentals of Transportation	6-8	/S		AEROSPACE 7 G AIR MECH @7 7 G AUTO MECH @7 7 G DIESEL MECH @7 7 G GASENG RPR @7 7 G LOG TECH 7 G ENG&TEC ED 1 @2 TRANSPORT 7 G
9590350	INTRO TO TRANSPORT Introduction to Transportation, Distribution and Logistics	6-8	/S		AEROSPACE 7 G AIR MECH @7 7 G AUTO MECH @7 7 G DIESEL MECH @7 7 G GASENG RPR @7 7 G LOG TECH 7 G ENG&TEC ED 1 @2 TRANSPORT 7 G
9590360	INTRO TO TRANS & CP Introduction to Transportation, Distribution and Logistics and Career Planning	6-8	/S		AEROSPACE 7 G AIR MECH 7 G AUTO MECH @7 7 G DIESEL MECH @7 7 G GASENG RPR @7 7 G LOG TECH 7 G ENG&TEC ED 1 @2 TRANSPORT 7 G
9500420	TRANSPORTATION OJT Transportation, Distribution and Logistics Cooperative Education OJT	9-12	/M	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
9501000	TRANSPORT DIR ST Transportation, Distribution and Logistics Directed Study	11-12	/M	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE 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
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	/		
T64010R	AV STRUCT& ASSEM-APP Aviation Structures and Assembly Technician - 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	/		

## | ADDITIONAL CAREER AND TECHNICAL EDUCATION PROGRAMS/COURSES |

## DI V E R S I F I E D

8300430	CTE INTERNSHIP Career and Technical Education Internship/Level 2	9- 12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE
8300420	COOP DIV ED-OJT Cooperative Diversified Education- OJT/Level 2	9- 12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE COOR DCT @7 COOP TEACH @7 MKTG @2 1
8303000	DIV CAREER TECH Diversified Career Technology	9- 12	/		
8303010	DIV CAR TECH PRIN Diversified Career Technology Principles/Level 2	9- 12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE COOP TEAC@7 COOR DCT @7 MKTG @2 1
8300410	DIV CAR TECH-OJT Diversified Career Technology - OJT /Level 2	9- 12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE COOR DCT @7 MKTG @2 1

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8303020	DIV CAR TECH APPL Diversified Career Technology Applications/Level 2	9-12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE COOP TEAC@7 COOR DCT @7 MKTG @2 1
8303030	DIV CAR TECH MGMT Diversified Career Technology Management/Level 2	9-12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE COOP TEAC@7 COOR DCT @7 MKTG @2 1
8300100	DIV ED DIR STUDY Diversified Education Directed Study /Level 2	11-12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE
9100210	EX CAR&TECH OCCS Exploration of Career and Technical Occupations	6-8	/S		ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE
9100310	ORIEN CAR& TECH OCCS Orientation to Career and Technical Occupations	6-8	/S		ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE
9100110	OR CAR&TEC OCCS & CP Orientation to Career and Technical Occupations and Career Planning	6-8	/S		ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE
8301600	WORK EXPERIENCE Work Experience	9-12	/		
8301610	WORK EXPERIENCE 1 Work Experience 1/Level 2	7-12	/Y	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8301620	WORK EXPERIENCE 2 Work Experience 2/Level 2	7-12	/Y	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8301630	WORK EXPERIENCE 3 Work Experience 3/Level 2	7-12	/Y	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8301640	WORK EXPERIENCE 4 Work Experience 4/Level 2	7-12	/Y	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8301650	WORK EXPERIENCE-OJT Work Experience-OJT/Level 2	7-12	/M	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER
8300310	WKPL ESSENTIALS Workplace Essentials/Level 2	9-12, 30, 31	/S	0.5	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE
8300330	WKPL TECH APPL Workplace Technology Applications/ Level 2	9-12, 30, 31	/S	0.5	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE 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 GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
INSTRUCTIONAL SUPPORT SERVICES (SPECIAL NEEDS)					
9603100	CAR ED SERVICES SWD Career Education Services for Students With Disabilities	6-12	/		
9603110	CAR ED SERVICES SWD1 Career Education Services for Students With Disabilities 1	6-12	/M	1.0	ANY CTE FIELD OR COVERAGE
9603120	CAR ED SERVICES SWD2 Career Education Services for Students With Disabilities 2	6-12	/M	1.0	ANY CTE FIELD OR COVERAGE
9603130	CAR ED SERVICES SWD3 Career Education Services for Students With Disabilities 3	6-12	/M	1.0	ANY CTE FIELD OR COVERAGE
9603140	CAR ED SERVICES SWD4 Career Education Services for Students With Disabilities 4	6-12	/M	1.0	ANY CTE FIELD OR COVERAGE
9603150	CAR ED SERVICES SWD5 Career Education Services for Students With Disabilities 5	6-12	/M	1.0	ANY CTE FIELD OR COVERAGE
9603160	CAR ED SERVICES SWD6 Career Education Services for Students With Disabilities 6	6-12	/M	1.0	ANY CTE FIELD OR COVERAGE
9603170	CAR ED SERVICES SWD7 Career Education Services for Students With Disabilities 7	6-12	/M	1.0	ANY CTE FIELD OR COVERAGE
9603180	CAR ED SERVICES SWD8 Career Education Services for Students With Disabilities 8	6-12	/M	1.0	ANY CTE FIELD OR COVERAGE
S990006	SPEC CAREER ED, ADV Specialized Career Education, Advanced	30, 31	/		
SLS0463	SPEC CAREER ED ADV1 Specialized Career Education, Advanced 1	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
SLS0464	SPEC CAREER ED ADV2 Specialized Career Education, Advanced 2	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
SLS0944	SPEC CAREER ED INTER Specialized Career Education, Internship	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
S990005	SPEC CAREER ED, BASIC Specialized Career Education, Basic	30, 31	/		
SLS0460	SPEC CAREER ED B1 Specialized Career Education, Basic 1	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
SLS0461	SPEC CAREER ED B2 Specialized Career Education, Basic 2	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
SLS0462	SPEC CAREER ED B3 Specialized Career Education, Basic 3	30, 31	/Y	1.0	ANY CTE 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 GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
S990007	SPEC CAREER INS COMP Specialized Career Instruction - Comprehensive	30, 31	/		
SLS0460	SPEC CAREER ED B1 Specialized Career Education, Basic 1	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
SLS0461	SPEC CAREER ED B2 Specialized Career Education, Basic 2	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
SLS0462	SPEC CAREER ED B3 Specialized Career Education, Basic 3	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
SLS0463	SPEC CAREER ED ADV1 Specialized Career Education, Advanced 1	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
SLS0464	SPEC CAREER ED ADV2 Specialized Career Education, Advanced 2	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
SLS0944	SPEC CAREER ED INTER Specialized Career Education, Internship	30, 31	/Y	1.0	ANY CTE FIELD OR COVERAGE
9001920	VOC/EMP SKLS/YOUTH Vocational Employability Skills for Youth	6-12	/M	0.5	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE
9001820	VOC/EMP SKLS/YOU &CP Vocational Employability Skills for Youth and Career Planning	6-12	/M	0.5	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE
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 & Communication	30, 31	/M		
E91010B	CWE - BUS, MGMT & AD Continuing Workforce Education - Business, Management & Administration	30, 31	/M		
E91010E	CWE - ED & TRAINING Continuing Workforce Education - Education and Training	30, 31	/M		

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 SCIENCE 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 - Law, 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		
8000300	HIGH SCHOOL APPR High School Apprenticeship	10-12	/		
8000310	APPRENTICESHIP 1 Apprenticeship 1/Level 2	10-12	/Y	1.0	ANY CTE FIELD OR COVERAGE

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8000320	APPRENTICESHIP 2 Apprenticeship 2/Level 2	10-12	/Y	1.0	ANY CTE FIELD OR COVERAGE
8000330	APPRENTICESHIP 3 Apprenticeship 3/Level 2	10-12	/Y	1.0	ANY CTE FIELD OR COVERAGE
8000200	HIGH SCHOOL PRE-APPR High School Pre-Apprenticeship	9-12	/		
8000110	PRE-APPR 1 Pre-Apprenticeship 1/Level 2	9-12	/Y	1.0	ANY CTE FIELD OR COVERAGE
8000120	PRE-APPR 2 Pre-Apprenticeship 2/Level 2	9-12	/Y	1.0	ANY CTE FIELD OR COVERAGE
8000130	PRE-APPR 3 Pre-Apprenticeship 3/Level 2	9-12	/Y	1.0	ANY CTE FIELD OR COVERAGE
8000140	PRE-APPR 4 Pre-Apprenticeship 4/Level 2	9-12	/Y	1.0	ANY CTE FIELD OR COVERAGE
E92010R	PRE-APPR - APPR Pre-Apprenticeship - Apprenticeship	30, 31	/		
SLS0314	PRE-APPRENTICE I Pre-Apprenticeship I	30, 31	/Y	3.0	ANY CTE FIELD OR COVERAGE
SLS0315	PRE-APPRENTICE II Pre-Apprenticeship II	30, 31	/Y	3.0	ANY CTE FIELD OR COVERAGE
MIDDLE SCHOOL PROGRAMS					
8000400	OR TO CAREER CLUST Orientation to Career Clusters	6-8	/S		ANY FIELD