

**Section 5: Career and Technical Education (CTE)**  
**Career Path, Program and Course Listings for 2024-2025**

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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			

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AGRICULTURE, FOOD & NATURAL RESOURCES CAREER PATH

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 FOOD PRODUCTS & PROCESSING SYSTEMS CAREER PATH (AGPA)  
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8129200	FOOD SCIENCE APPS Food Science Applications	9-12	/			
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y	EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8129210	FOOD SCIENCE APPS 2 Food Science Applications 2/Level 3	9-12	/Y	CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8129220	FOOD SCIENCE APPS 3 Food Science Applications 3/Level 3	9-12	/Y	CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G

-----  
 PLANT SYSTEMS CAREER PATH (AGPB)  
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8012100	FLORAL DESIGN & MKT Floral Design and Marketing	9-12	/			
8012110	INTRO FLORAL DESIGN1 Introductory Floral Design 1/Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2 MKTG 1 RETAILING@7 7 G AGRICULTURE 7 G
8012120	FLORAL DESIGN 2 Floral Design 2/Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2 MKTG 1 RETAILING@7 7 G AGRICULTURE 7 G
8012130	FLORAL DSN & MKT 3 Floral Design and Marketing Services 3/Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2 MKTG 1 RETAILING@7 7 G AGRICULTURE 7 G
8012140	FLORAL DSN & MGMT 4 Floral Design and Management 4/ Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2 MKTG 1 RETAILING@7 7 G AGRICULTURE 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 AGRICULTURE 7 G
8121510	INTRO HORTICULTURE 2 Introductory Horticulture 2/Level 3	9-12	/Y	CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8121520	HORTICULTURE SCI 3 Horticultural Science 3 /Level 3	9-12	/Y	CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8121610	HORT SCI & SERS 4 Horticulture Science and Services 4 /Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8121620	HORT SCI & SERS 5 Horticulture Science and Services 5 /Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G

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8121630	HORT SCI & SERS 6 Horticulture Science & Services 6/ Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 HORTICULT#7 AGRICULTURE 7 G
A200100	LANDSCAPE & TURF MGM Landscape & Turf Management	30,31	/		
ORH0862	NURSERY WORKERS Nursery Workers	30,31	/Y CT	2.0	AGRICULTUR1 @2 HORTICULT#7
ORH0802	LANDSCAPE & GROUNDS Landscape and Groundskeeping	30,31	/Y CT	3.0	AGRICULTUR1 @2 HORTICULT#7
ORH0803	LANDS & GROUNDS SUPR Landscape and Groundskeeping Supervisors	30,31	/Y CT	1.0	AGRICULTUR1 @2 HORTICULT#7
8002100	LANDSCAPE OPERATIONS Landscape Operations	9-12	/		
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8121510	INTRO HORTICULTURE 2 Introductory Horticulture 2/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2
8121520	HORTICULTURE SCI 3 Horticultural Science 3 /Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2
8121310	LAND & TURF SCI 4 Landscape and Turf science 4/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 HORTICULT#7
8121320	LAND & TURF SCI 5 Landscape and Turf science 5/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 HORTICULT#7
8121410	SPRTS&REC TURF OPS 6 Sports and Recreational Turf Operations 6/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 HORTICULT#7 AGRICULTURE 7 G
A010616	NURSERY MANAGEMENT Nursery Management	30,31	/		
ORH0862	NURSERY WORKERS Nursery Workers	30,31	/Y CT	2.0	AGRICULTUR1 @2 HORTICULT#7
ORH0863	NURSERY & GRNHS MGR1 Nursery and Greenhouse Managers 1	30,31	/Y CT	3.0	AGRI @2 AGRICULTUR1 @2 HORTICULT#7
ORH0864	NURSERY & GRNHS MGR2 Nursery and Greenhouse Managers 2	30,31	/Y CT	1.0	AGRI @2 AGRICULTUR1 @2 HORTICULT#7
ANIMAL SYSTEMS CAREER PATH (AGPC)					
8106200	ANIMAL SCI & SERV Animal Science and Services	9-12	/		
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8106210	ANIM SCI & SERS 2 Animal Science and Services 2/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8106220	ANIM SCI & SERS 3 Animal Science and Services 3/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8106230	ANIM SCI & SERS 4 Animal Science and Services 4/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 AGRICULTURE 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
8106240	ANIM SCI & SERS 5 Animal Science and Services 5/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8106250	ANIM SCI & SERS 6 Animal Science and Services 6/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8004100	AQUACULTURE Aquaculture	9-12	/		
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8112010	AQUACULTURE 2 Aquaculture 2/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8112020	AQUACULTURE 3 Aquaculture 3/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8112030	AQUACULTURE 4 Aquaculture 4/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8004300	EQUINE SCIENCE Equine Science	9-12	/		
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8004310	EQUINE SCIENCE 2 Equine Science 2, Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2
8004320	EQUINE SCIENCE 3 Equine Science 3, Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2
8004330	EQUINE SCIENCE 4 Equine Science 4, Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2
8004200	EQUESTRIAN STUDIES Equestrian Studies	9-12	/		
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8004210	INTRO TO EQUESTRIAN Introduction to Equestrian Studies/ Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2
8004220	BEGINNING EQUESTRIAN Beginning Equestrian/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2
8004230	INTERMEDIATE EQUEST Intermediate Equestrian/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2
8004240	ADVANCED EQUESTRIAN Advanced Equestrian/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2
8115110	VETERINARY ASSISTING Veterinary Assisting	9-12	/		
8111510	VETERINARY ASSIST 1 Veterinary Assisting 1/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2 VET ASSIST7 G
8111540	VETERINARY ASSIST 2 Veterinary Assisting 2/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2 VET ASSIST7 G
8111550	VETERINARY ASSIST 3 Veterinary Assisting 3/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2 VET ASSIST7 G
8111520	VETERINARY ASSIST 4 Veterinary Assisting 4/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2 VET ASSIST7 G
8111530	VETERINARY ASSIST 5 Veterinary Assisting 5/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2 VET ASSIST7 G

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A010512	VETERINARY ASSISTING Veterinary Assisting	30,31	/			
ATE0006	VET ASST & LAB ANI 1 Veterinary Assistants and Laboratory Animal Caretakers 1	30,31	/Y	CT	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	CT	1.0	AGRI @2 AGRICULTUR1 @2 AG SUPPLI@7 G VET ASSIST7 G
ATE0072	VETERINARY ASSISTANT Veterinary Assistant	30,31	/Y	CT	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	CT	1.0	AGRI 1 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8005100	TECHNICAL AG OPS Technical Agriculture Operations	9-12	/			
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y	EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8005110	TECHNICAL AG OPS 2 Technical Agriculture Operations 2/ Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2 AGRI MECH#7
8005120	TECHNICAL AG OPS 3 Technical Agriculture Operations 3/ Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2 AGRI MECH#7
8005130	TECHNICAL AG OPS 4 Technical Agriculture Operations 4/ Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2 AGRI MECH#7
8005140	TECHNICAL AG OPS 5 Technical Agriculture Operations 5/ Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2 AGRI MECH#7
----- NATURAL RESOURCES SYSTEMS CAREER PATH (AGPE) -----						
8118300	FORESTRY Forestry	9-12	/			
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y	EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8118310	FORESTRY & NAT RES 2 Forestry and Natural Resources 2/ Level 2	9-12	/Y	CT	1.0	AGRICULTUR1 @2

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					CERTIFICATION	
8118320	FORESTRY & NAT RES 3 Forestry and Natural Resources 3/ Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2	
8118330	FORESTRY 4 Forestry 4/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2	
8006200	NATURAL RESOURCES Natural Resources	9-12	/			
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2	
8006220	INTRO TO NAT RES 2 Introduction to Natural Resources 2 /Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2	
8006230	NAT RESOURCE TEC 3 Natural Resource Technology 3/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2	
8006240	NAT RESOURCE MGMT 4 Natural Resource Management 4/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2	
8006250	ADV NAT RESOURCES 5 Advanced Natural Resources 5/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2	
ENVIRONMENTAL SERVICE SYSTEMS CAREER PATH (AGPF)						
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 CT	1.0	ENV WAT TE7 G BIOLOGY 1 CHEM 1 ERTH/SPA S 1	
8007120	INTM ENV WATER TECH Intermediate Environmental Water Technology/Level 2	9-12	/Y CT	1.0	ENV WAT TE7 G BIOLOGY 1 CHEM 1 ERTH/SPA S 1	
8007130	ADV ENV WATER TECH Advanced Environmental Water Technology/Level 2	9-12	/Y CT	1.0	ENV WAT TE7 G BIOLOGY 1 CHEM 1 ERTH/SPA S 1	
8007210	ADV ENV WAT RECLAIM Advanced Environmental Water Reclamation Technology/ Level 2	9-12	/Y CT	1.0	ENV WAT TE7 G BIOLOGY 1 CHEM 1 ERTH/SPA S 1	
P150527	WSTWTR TRTMT TECHS Wastewater Treatment Technologies	30,31	/			
EVS0333	WSTWTR TREAT PL OP,C Wastewater Treatment Plant Operator, Level "C"	30,31	/Y CT	1.0	WSP OPER 7 G	
EVS0343	WSTWTR TREAT PL OP,B Wastewater Treatment Plant Operator, Level "B"	30,31	/S CT	0.5	WSP OPER 7 G	

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EVS0350	WSTWTR TREAT PL OP,A Wastewater Treatment Plant Operator, Level "A"	30,31	/S CT	0.5	WSP OPER 7 G
P150507	WATER TREATMENT TECH Water Treatment Technologies	30,31	/		
EVS0133	WTR TREAT PL OP, C Water Treatment Plant Operator, Level "C"	30,31	/Y CT	1.0	WSP OPER 7 G
EVS0143	WTR TREAT PL OP, B Water Treatment Plant Operator, Level "B"	30,31	/S CT	0.5	WSP OPER 7 G
EVS0153	WTR TREAT PL OP, A Water Treatment Plant Operator, Level "A"	30,31	/S CT	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 AGRICULTURE 7 G
8117010	AG COMMUNICATIONS 2 Agricultural Communications 2/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2
8117020	AG COMMUNICATIONS 3 Agricultural Communications 3/Level 3	9-12	/Y CT	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 AGRICULTURE 7 G
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 CT	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 AGRICULTURE 7 G
8106820	AGRITECHNOLOGY 1 Agritechnology 1/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
8106830	AGRITECHNOLOGY 2 Agritechnology 2/Level 2	9-12	/Y CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G
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 AGRICULTURE 7 G

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						AGRICULTURE	AGRICULTURE
8009110	AG LEAD & MANAGEMENT Agriculture Leadership and Management /Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G		
8009120	PRIN OF AGRIBUSINESS Principles of Agribusiness/Level 3	9-12	/Y EC	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G		
----- AGRICULTURE BIOTECHNOLOGY (AGPH) -----							
8003100	AGRICULTURE BIOTECH Agriculture Biotechnology	9-12	/				
8106810	AGRISCIENCE FOUND 1 Agriscience Foundations 1/Level 3	9-12	/Y EQ	1.0	AGRICULTUR1 @2 AGRICULTURE 7 G		
8106850	AG BIOTECHNOLOGY 2 Agricultural Biotechnology 2/Level 3	9-12	/Y CT	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 CT	1.0	AGRICULTUR1 @2		
8106510	PLANT BIOTECHNOLOGY Plant Biotechnology/Level 3	9-12	/Y CT	1.0	AGRICULTUR1 @2		
----- SUPPLEMENTAL PROGRAMS -----							
8100330	ADV CONCEPTS OF AG Advanced Concepts of Agriscience/ Level 2	11-12	/Y CT	1.0	AGRICULTUR 1 @2		
8100410	AGRI,FOOD,NR - OJT Agriculture, Food and Natural Resources Cooperative Education - OJT	9-12	/M CT	MULTIPLE	AGRICULTUR 1 @2		ANY AG ED G ¶
8100100	AGRI, FOOD, NR DS Agriculture, Food and Natural Resources Directed Study	11-12	/M CT	MULTIPLE	AGRICULTUR 1 @2		ANY AG ED G ¶
8100210	EX OF AGRISCI Exploration of Agriscience	6-8	/S		AGRICULTUR 1 @2 AGRICULTURE 7 G	EXP AG @4 MG GEN SCI C	
8021400	FUND OF AG SERVICES Fundamentals of Agriculture, Food and Natural Resource Services	6-8	/Y		AGRICULTUR 1 @2 AGRICULTURE 7 G	EXP AG @4 MG GEN SCI C	
8021300	FUND OF AG SYSTEMS Fundamentals of Agriculture, Food and Natural Resource Systems	6-8	/Y		AGRICULTUR 1 @2 AGRICULTURE 7 G	EXP AG @4 MG GEN SCI C	
8021100	INTRO TO AG,FOOD,NR Introduction to Agriculture, Food and Natural Resources	6-8	/S		AGRICULTUR 1 @2 AGRICULTURE 7 G	EXP AG @4 MG GEN SCI C	



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8021110	INTRO TO AG & CP Introduction to Agriculture, Food and Natural Resources/Career Planning	6-8	/S		AGRICULTUR 1 @2 AGRICULTURE 7 G	EXP AG @4 MG GEN SCI C
8100120	INTRO AGRISCIENCE Introduction to Agriscience	6-8	/S		AGRICULTUR 1 @2 AGRICULTURE 7 G	EXP AG @4 MG GEN SCI C
8100310	ORIENT AGRISCIENCE Orientation to Agriscience	6-8	/S		AGRICULTUR 1 @2 AGRICULTURE 7 G	EXP AG @4 MG GEN SCI C
8100110	ORIEN TO AGSCI & C P Orientation to Agriscience and Career Planning	6-8	/S		AGRICULTUR 1 @2 AGRICULTURE 7 G	EXP AG @4 MG GEN SCI C

## 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	CT	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	CT	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G

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8725030	DRAFTING 3 Drafting 3/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 7 7 G	G G G G	
8725040	DRAFTING 4 Drafting 4/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 7 7 G	G G G G	
8725450	ARCHITECT DRAFTING 5 Architectural Drafting 5/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 7 7 G	G G G G	
8725460	ARCHITECT DRAFTING 6 Architectural Drafting 6/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 7 7 G	G G G G	
8101200	CIVIL AND SURVEYING Civil and Surveying Drafting	9-12	/					
8725010	DRAFTING 1 Drafting 1/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 7 7 G	G G G G	
8725020	DRAFTING 2 Drafting 2/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 7 7 G	G G G G	
8725030	DRAFTING 3 Drafting 3/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 7 7 G	G G G G	
8725040	DRAFTING 4 Drafting 4/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 7 7 G	G G G G	
8725550	CIVIL SURVEY DRAFT 5 Civil and Surveying Drafting 5/ Level 3	9-12	/Y CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 7 7 G	G G G G	
8725560	CIVIL SURVEY DRAFT 6 Civil and Surveying Drafting 6/ Level 3	9-12	/Y CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 7 7 G	G G G G	
8915000	CIVIL ENGINEER AIDE Civil Engineering Aide	9-12	/					
8915010	CIVIL ENGR AIDE 1 Civil Engineering Aide 1/Level 2	9-12	/Y CT	1.0	SURVEY 7 TEC CONST@7	7 7	G G	
8915020	CIVIL ENGR AIDE 2 Civil Engineering Aide 2/Level 2	9-12	/Y CT	1.0	SURVEY 7 TEC CONST@7	7 7	G G	
8915030	CIVIL ENGR AIDE 3 Civil Engineering Aide 3/Level 3	9-12	/Y CT	1.0	SURVEY 7 TEC CONST@7	7 7	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			
8915040	CIVIL ENGR AIDE 4 Civil Engineering Aide 4/Level 3	9-12	/Y CT	1.0	SURVEY 7 G TEC CONST@7 7 G			
C100300	CPT AIDED DRAWING Computer Aided Drawing and Modeling	30,31	/					
TDR0301	CAD & MODELING 1 CAD & Modeling 1	30,31	/Y CT	3.0	DRAFTING @7 7 G TEC DRAFT 7 G TEC CONST@7 7 G BLDG CONS@7 7 G			
TDR0302	CAD & MODELING 2 CAD & Modeling 2	30,31	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	1.0	BLDG CONS@7 7 G DRAFTING @7 7 G TEC CONST@7 7 G TEC DRAFT 7 G			

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						BLDG CONS@7	TEC CONST@7
C100200	DRAFTING Drafting	30,31	/				
TDR0070	INTRO TO DRAFTING Introduction to Drafting	30,31	/Y	CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 G 7 G 7 G G
TDR0370	DRAFTING ASST Drafting Assistant	30,31	/Y	CT	3.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 G 7 G 7 G G
TDR0775	DRAFTING DETAILER 1 Drafting Detailer 1	30,31	/Y	CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 G 7 G 7 G G
TDR0776	DRAFTING DETAILER 2 Drafting Detailer 2	30,31	/Y	CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 G 7 G 7 G G
TDR0570	ARCHITECTURAL DRAFT Architectural Drafter	30,31	/Y	CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 G 7 G 7 G G
TDR0874	CIVIL DRAFTER Civil Drafter	30,31	/Y	CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 G 7 G 7 G G
TDR0777	MECHANICAL DRAFTER Mechanical Drafter	30,31	/Y	CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 G 7 G 7 G G
TDR0875	STRUCTURAL DRAFTER Structural Drafter	30,31	/Y	CT	1.0	BLDG CONS@7 DRAFTING @7 TEC CONST@7 TEC DRAFT 7	7 G 7 G 7 G 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	CT	1.0	AC HEAT M@7 REFRG MECH7	7 G G
8713020	A/C REFG & HT TECH 2 Air Conditioning and Refrigeration Technology 2/Level 2	9-12	/Y	CT	1.0	AC HEAT M@7 REFRG MECH7	7 G G
8713030	A/C, REFG & HT TECH 3 Air Conditioning and Refrigeration Technology 3/Level 2	9-12	/Y	CT	1.0	AC HEAT M@7 REFRG MECH7	7 G G
8713040	A/C, REFG & HT TECH 4 Air Conditioning and Refrigeration Technology 4/Level 2	9-12	/Y	CT	1.0	AC HEAT M@7 REFRG MECH7	7 G 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
8713050	A/C REFG &HT TECH 5 Air Conditioning and Refrigeration Technology 5/Level 2	9-12	/Y CT	1.0	AC HEAT M@7 7 G REFRG MECH7 G
8713060	A/C REFG &HT TECH 6 Air Conditioning and Refrigeration Technology 6/Level 2	9-12	/Y CT	1.0	AC HEAT M@7 7 G REFRG MECH7 G
8713070	A/C REFG &HT TECH 7 Air Conditioning and Refrigeration Technology 7/Level 2	9-12	/Y CT	1.0	AC HEAT M@7 7 G REFRG MECH7 G
8722900	BRK & BLOCK MASONRY Brick and Block Masonry	9-12	/		
8722610	MASONRY 1 Masonry 1/Level 2	9-12	/Y CT	1.0	BLDG CONS17 1G TEC CONST17 1G TROWEL TR 7 G
8722620	MASONRY 2 Masonry 2/Level 2	9-12	/Y CT	1.0	BLDG CONS17 1G TEC CONST17 1G TROWEL TR 7 G
8722630	MASONRY 3 Masonry 3/Level 2	9-12	/Y CT	1.0	BLDG CONS17 1G TEC CONST17 1G TROWEL TR 7 G
8722640	MASONRY 4 Masonry 4/Level 2	9-12	/Y CT	1.0	BLDG CONS17 1G TEC CONST17 1G TROWEL TR 7 G
8722650	MASONRY 5 Masonry 5/Level 2	9-12	/Y CT	1.0	BLDG CONS17 1G TEC CONST17 1G TROWEL TR 7 G
I463112	BRK & BLK MASONRY Brick and Block Masonry	30,31	/		
BCV0330	MASONRY TENDER Masonry Tender	30,31	/Y CT	3.0	BLDG CONS17 1G TEC CONST17 1G TROWEL TR 7 G
BCV0360	BRICKLAYER HELPER Bricklayer Helper	30,31	/Y CT	2.0	BLDG CONS17 1G TEC CONST17 1G TROWEL TR 7 G
BCV0362	BRICKMASON 1 Brickmason 1	30,31	/Y CT	3.0	BLDG CONS17 1G TEC CONST17 1G TROWEL TR 7 G
BCV0363	BRICKMASON 2 Brickmason 2	30,31	/Y CT	3.0	BLDG CONS17 1G TEC CONST17 1G TROWEL TR 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	GRADUATION REQUIREMENTS		CERTIFICATION
8720300	BUILDING CONST TECH Building Construction Technologies	9-12	/					
8720310	BLDG CONST TECH 1 Building Construction Technologies 1/Level 2	9-12	/Y	CT	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	
8720320	BLDG CONST TECH 2 Building Construction Technologies 2/Level 2	9-12	/Y	CT	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	/Y	CT	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	
8720340	BLDG CONST TECH 4 Building Construction Technologies 4/Level 2	9-12	/Y	CT	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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	CAREER AND TECHNICAL EDUCATION								
8720350	BLDG CONST TECH 5 Building Construction Technologies 5/Level 2	9-12	/Y CT	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						
						8720360	BLDG CONST TECH 6 Building Construction Technologies 6/Level 2	9-12	/Y CT	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 CT	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	/					
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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION					
BCV0401	BLDG CONST TECH 1 Building Construction Technician 1	30,31	/Y CT	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					
					BCV0402	BLDG CONST TECH 2 Building Construction Technician 2	30,31	/Y CT	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 TRADE & CDT 1 Building Trades and Construction Design Technology 1/Level 2	9-12	/Y CT	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					



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8722020	BLDG TRADE & CDT 2 Building Trades and Construction De sign Technology 2/Level 2	9-12	/Y CT	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
						8722030	BLDG TRADE & CDT 3 Building Trades and Construction De sign Technology 3/Level 3
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 TRADE & CDT 4 Building Trades and Construction De sign Technology 4/Level 2	9-12	/Y CT	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
						ROOFING	7 G
						SHEETMETA@7	7 G
						TEC CONST@7	7 G
						TEC DRAFT	7 G
						ENG&TEC ED1	@2
						TROWEL TR	7 G

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8722050	BLDG TRADE & CDT 5 Building Trades and Construction Design Technology 5/Level 2	9-12	/Y CT	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
						8722060	BLDG TRADE & CDT 6 Building Trades and Construction Design Technology 6/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						
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 CT	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

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BCV0081	CARP & MASONRY TECH Carpentry and Masonry Technician	30,31	/Y CT	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
BCV0082	ELEC & PLUMBING TECH Electrical and Plumbing Technician	30,31	/Y CT	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
BCV0083	BLDG MAINTENANCE TEC Building Maintenance Technician	30,31	/Y CT	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

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						BLDG	TEC
8104600	BLDG CONSTRUCT MGMT Building Construction Management	9-12	/				
8104610	CONSTRUCT MGMT FDNS Construction Management Foundations/ Level 3	9-12	/Y	CT	1.0	BLDG CONS@7	7 G
						CAB WOODW@7	7 G
						CARPENTRY@7	7 G
						TEC CONST@7	7 G
						BLDG MAINT@7	7 G
						DRAFTING @7	7 G
						ENG&TEC ED1 @2	
						PLTW PTE 7	G
						TEC DRAFT 7	G
						ENG 7	G
8104620	CONSTRUCT DES/TECHNQ Construction Design and Technique/ Level 3	9-12	/Y	CT	1.0	BLDG CONS@7	7 G
						CAB WOODW@7	7 G
						CARPENTRY@7	7 G
						TEC CONST@7	7 G
						BLDG MAINT@7	7 G
						DRAFTING @7	7 G
						ENG&TEC ED1 @2	
						PLTW PTE 7	G
						TEC DRAFT 7	G
						ENG 7	G
8104630	CONSTRUCT PROJ MGMT Construction Project Management/ Level 3	9-12	/Y	CT	1.0	BLDG CONS@7	7 G
						CAB WOODW@7	7 G
						CARPENTRY@7	7 G
						TEC CONST@7	7 G
						BLDG MAINT@7	7 G
						DRAFTING @7	7 G
						ENG&TEC ED1 @2	
						PLTW PTE 7	G
						TEC DRAFT 7	G
						ENG 7	G
8104640	CONSTRUCT MGMT FDNS Construction Management Foundations/ Level 3	9-12	/Y	CT	1.0	BLDG CONS@7	7 G
						CAB WOODW@7	7 G
						CARPENTRY@7	7 G
						TEC CONST@7	7 G
						BLDG MAINT@7	7 G
						DRAFTING @7	7 G
						ENG&TEC ED1 @2	
						PLTW PTE 7	G
						TEC DRAFT 7	G
						ENG 7	G
8104400	CABINETMAKING Cabinetmaking	9-12	/				
8104410	CABINETMAKING 1 Cabinetmaking 1/Level 2	9-12	/Y	CT	1.0	BLDG CONS@7	7 G
						CAB WOODW@7	7 G
						CARPENTRY@7	7 G
						TEC CONST@7	7 G
8104420	CABINETMAKING 2 Cabinetmaking 2/Level 2	9-12	/Y	CT	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			
8104430	CABINETMAKING 3 Cabinetmaking 3/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	
8720140	CABINETMAKING 4 Cabinetmaking 4/Level 2	9-12	/Y CT	1.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	
8720150	CABINETMAKING 5 Cabinetmaking 5/Level 2	9-12	/Y CT	1.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	
C410400	CABINETMAKING Cabinetmaking	30,31	/					
BCV0200	CABINETMAKER HELPER Cabinetmaker Helper	30,31	/Y CT	2.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	
BCV0235	CABINET FINISHER Cabinet Finisher	30,31	/Y CT	1.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	
BCV0240	CABINET ASSEMBLER Cabinet Assembler	30,31	/Y CT	2.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	
BCV0243	CABINETMAKER Cabinetmaker	30,31	/Y CT	3.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	
8104300	CARPENTRY Carpentry	9-12	/					
8104310	CARPENTRY FUNDS Carpentry Fundamentals/Level 2	9-12	/Y CT	1.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	
8104320	CARPENTRY LAYOUT Carpentry Layout/Level 2	9-12	/Y CT	1.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	
8104330	CARPENTRY FRAMING Carpentry Framing/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	
8104340	CARPENTRY EXTERIOR Carpentry Exterior/Level 3	9-12	/Y CT	1.0	BLDG CONS@7 CAB WOODW@7 CARPENTRY@7 TEC CONST@7	7 7 7 7	G G G G	

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8104350	CARPENTRY FINISH Carpentry Finish/Level 3	9-12	/Y CT	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 CT	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 CT	3.0	BLDG CONS@7 7 G CAB WOODW@7 7 G CARPENTRY@7 7 G TEC CONST@7 7 G
BCV0125	FINISH TRIM CARP Finish Trim Carpentry	30,31	/Y CT	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 CT	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 CT	2.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
BCV0640	RES ELECTRICIAN Residential Electrician	30,31	/Y CT	3.0	ELECTRICA@7 7 G
BCV0652	COMM ELECTRICIAN Commercial Electrician	30,31	/Y CT	3.0	ELECTRICA@7 7 G
BCV0667	INDUST ELECTRICIAN Industrial Electrician	30,31	/Y CT	2.0	ELECTRICA@7 7 G
8727200	ELECTRICITY Electricity	9-12	/		
8727210	ELECTRICITY 1 Electricity 1/Level 2	9-12	/Y CT	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
8727220	ELECTRICITY 2 Electricity 2/Level 2	9-12	/Y CT	1.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
8727230	ELECTRICITY 3 Electricity 3/Level 3	9-12	/Y CT	1.0	ELECTRICA@7 7 G
8727240	ELECTRICITY 4 Electricity 4/Level 3	9-12	/Y CT	1.0	ELECTRICA@7 7 G
8727250	ELECTRICITY 5 Electricity 5/Level 3	9-12	/Y CT	1.0	ELECTRICA@7 7 G
8727260	ELECTRICITY 6 Electricity 6/Level 3	9-12	/Y CT	1.0	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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER	
8727270	ELECTRICITY 7 Electricity 7/Level 3	9-12	/Y CT	1.0	ELECTRICA@7	7	G
8727280	ELECTRICITY 8 Electricity 8/Level 3	9-12	/Y CT	1.0	ELECTRICA@7	7	G
I460312	ELECTRICITY Electricity	30,31	/				
BCV0603	ELECTRICIAN HELPER Electrician Helper	30,31	/Y CT	2.0	ELECTRICA@7	7	G
BCV0640	RES ELECTRICIAN Residential Electrician	30,31	/Y CT	3.0	ELECTRICA@7	7	G
BCV0652	COMM ELECTRICIAN Commercial Electrician	30,31	/Y CT	3.0	ELECTRICA@7	7	G
C400400	HVAC/R Heating, Ventilation, Air-Conditioning /Refrigeration (HVAC/R)	30,31	/				
ACR0000	INTRO TO HVAC/R Introduction to HVAC/R	30,31	/Y CT	1.5	AC HEAT M@7	7	G
ACR0001	HVAC/R FUNDAMENTALS HVAC/R Fundamentals	30,31	/Y CT	1.5	AC HEAT M@7	7	G
ACR0012	HVAC/R SRV PRACTICES HVAC/R Service Practices	30,31	/Y CT	1.5	AC HEAT M@7	7	G
ACR0013	HVAC/R INT SERVICES HVAC/R Intermediate Service Practices	30,31	/Y CT	1.5	AC HEAT M@7	7	G
ACR0044	HVAC/R ADV SRV HVAC/R Advanced Service Practices	30,31	/Y CT	2.0	AC HEAT M@7	7	G
ACR0045	HVAC/R ADV COMM HVAC/R Advanced Commercial and Industrial Service Practices	30,31	/Y CT	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 CT	1.5	AC HEAT M@7	7	G
ACR0001	HVAC/R FUNDAMENTALS HVAC/R Fundamentals	30,31	/Y CT	1.5	AC HEAT M@7	7	G
ACR0012	HVAC/R SRV PRACTICES HVAC/R Service Practices	30,31	/Y CT	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 CT	1.5	AC HEAT M@7	7	G
ACR0044	HVAC/R ADV SRV HVAC/R Advanced Service Practices	30,31	/Y CT	2.0	AC HEAT M@7	7	G
ACR0045	HVAC/R ADV COMM HVAC/R Advanced Commercial and Industrial Service Practices	30,31	/Y CT	2.0	AC HEAT M@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			
8721500	PAINT & DECORATING Painting and Decorating	9-12	/			
8721510	PAINTING 1 Painting 1/Level 2	9-12	/Y	CT	1.0	BLDG CONS17 1G PAINTING 7 G TEC CONST17 1G
8721520	PAINTING 2 Painting 2/Level 2	9-12	/Y	CT	1.0	BLDG CONS17 1G PAINTING 7 G TEC CONST17 1G
8721530	PAINT & DECORATING 3 Painting & Decorating 3/Level 2	9-12	/Y	CT	1.0	BLDG CONS17 1G PAINTING 7 G TEC CONST17 1G
8721540	PAINT & DECORATING 4 Painting & Decorating 4/Level 2	9-12	/Y	CT	1.0	BLDG CONS17 1G PAINTING 7 G TEC CONST17 1G
8105500	PLUMBING Plumbing	9-12	/			
8721610	PLUMBING TECH 1 Plumbing Technology 1/Level 2	9-12	/Y	CT	1.0	BLDG CONS17 1G PLUMBIN @7 7 G TEC CONST17 1G
8721620	PLUMBING TECH 2 Plumbing Technology 2/Level 2	9-12	/Y	CT	1.0	BLDG CONS17 1G PLUMBIN @7 7 G TEC CONST17 1G
8721630	PLUMBING TECH 3 Plumbing Technology 3/Level 2	9-12	/Y	CT	1.0	BLDG CONS17 1G PLUMBIN @7 7 G TEC CONST17 1G
8721640	PLUMBING TECH 4 Plumbing Technology 4/Level 2	9-12	/Y	CT	1.0	BLDG CONS17 1G PLUMBIN @7 7 G TEC CONST17 1G
C500500	PLUMBING Plumbing	30,31	/			
BCV0508	HLP, PLUMB, PIPEFIT Helper, Plumber, Pipefitter	30,31	/Y	CT	2.0	BLDG CONS17 1G PLUMBIN @7 7 G TEC CONST17 1G
BCV0540	RESIDENTIAL PLUMBER Residential Plumber	30,31	/Y	CT	2.0	BLDG CONS17 1G PLUMBIN @7 7 G TEC CONST17 1G
BCV0562	COMMERCIAL PLUMBER Commercial Plumber	30,31	/Y	CT	2.0	BLDG CONS17 1G PLUMBIN @7 7 G TEC CONST17 1G
BCV0596	PLUMBING APPS Plumbing Applications	30,31	/Y	CT	1.5	BLDG CONS17 1G PLUMBIN @7 7 G TEC CONST17 1G
I460514	INDUSTRIAL PIPEFITTER Industrial Pipefitter	30,31	/			
BCV0568	INDUST PIPEFIT HLPR Industrial Pipefitter Helper	30,31	/Y	CT	1.0	PLUMBIN @7 7 G BLDG CONS17 1G TEC CONST17 1G WELDING @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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER		
BCV0569	INDUSTRIAL PIPEFITTER Industrial Pipefitter	30,31	/Y CT	1.0	PLUMBIN @7 7 G BLDG CONS@7 7 G TEC CONST@7 7 G WELDING @7 7 G			
----- MAINTENANCE/OPERATIONS (ACPC) -----								
C700200	BLDG MAINT & MGMT Building Maintenance and Management	30,31	/					
BCV0480	FACIL MAINT HELPER Facilities Maintenance Helper		/Y CT	2.0	PLUMBIN @7 7 G AC HEAT ME @7 G REFRG MECH 7 G CAB WOODWK @7 7 G CARPENTRY@7 7 G BLDG CONST @7 7 G TECH CONSTR @7 7 G ELECTRICAL @7 7 G IND ENGR 7 G TEC ED 1 @2			
BCV0481	FACIL MAINT TECH 1 Facilities Maintenance Technician 1		/Y CT	1.0	ENG&TEC ED 1 @2 PLUMBIN @7 7 G AC HEAT ME @7 G REFRG MECH 7 G CAB WOODWK @7 7 G CARPENTRY@7 7 G BLDG CONST @7 7 G TECH CONSTR @7 7 G ELECTRICAL @7 7 G IND ENGR 7 G TEC ED 1 @2			
BCV0482	FACIL MAINT TECH 2 Facilities Maintenance Technician 2		/Y CT	1.0	ENG&TEC ED 1 @2 PLUMBIN @7 7 G AC HEAT ME @7 G REFRG MECH 7 G CAB WOODWK @7 7 G CARPENTRY@7 7 G BLDG CONST @7 7 G TECH CONSTR @7 7 G ELECTRICAL @7 7 G IND ENGR 7 G TEC ED 1 @2			
BCV0483	FACIL MAIN ASST/SUPV Facilities Maintenance Assistant Supervisor		/Y CT	1.5	ENG&TEC ED 1 @2 PLUMBIN @7 7 G AC HEAT ME @7 G REFRG MECH 7 G CAB WOODWK @7 7 G CARPENTRY@7 7 G BLDG CONST @7 7 G TECH CONSTR @7 7 G ELECTRICAL @7 7 G IND ENGR 7 G TEC ED 1 @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	CAREER AND TECHNICAL EDUCATION	
					CERTIFICATION	
					ENG&TEC ED	1 @2
C700100	ELECT SYS INT & AUTO Electronics Systems Integration and Automation	30,31 /				
EEV0240	ELECT SYSTEM TECH Electronics System Technician	30,31 /Y	CT	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	CT	2.0	INFO TECH 7 G ELECTRONI@7 7 G TELCOM 7 G	
EEV0242	COMM ELECT SYS TECH Commercial Electronic Systems Technician	30,31 /Y	CT	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	CT	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE	
8700100	ARCH & CONST DS Architecture and Construction Education Directed Study	11-12 /M	CT	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 /				

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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	/		
C10010R	FACILITY MGMT - APPR Facilities Management - Apprenticeship	30,31	/		
C10020R	DRAFTING APPR Drafting Apprenticeship	30,31	/		
I46032R	ELECTRICIAN - APPR Electrician - Apprenticeship	30,31	/		
C60010R	ELEV CONST MECH-APPR Elevator Constructor Mechanic - Apprenticeship	30,31	/		
I46051R	FIRE SPRI SYSS-APPR Fire Sprinkler System Technology- Apprenticeship	30,31	/		
I15050R	GEODETIC COMP - APPR Geodetic Computator - Apprenticeship	30,31	/		
I46041R	GLAZING - APPR Glazing - Apprenticeship	30,31	/		
I46053R	INDUS PIPEFIT-APPR Industrial Pipefitter - Apprenticeship	30,31	/		
I46031R	Line Erector-APPR Line Erector - Apprenticeship	30,31	/		
I46043R	PAINT & DEC - APPR Painting and Decorating - Apprenticeship	30,31	/		
I46044R	PLASTERING - APPR Plastering - Apprenticeship	30,31	/		
I46052R	PLUMBING TECH-APPR Plumbing Technology - Apprenticeship	30,31	/		

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I47020R	REFG TECH - APPR Refrigeration Technology - Apprenticeship	30,31	/		
I46049R	ROADWAY TECH-APPR Roadway Technician- Apprenticeship	30,31	/		
I46045R	ROOFING - APPR Roofing - Apprenticeship	30,31	/		
I48051R	STRUCT ST WK-APPR Structural Steel Work - Apprenticeship	30,31	/		
I15020R	SUR & MAP TECH APPR Surveying and Mapping Technology - Apprenticeship	30,31	/		
I46993R	SWIM POOL MAINT-APPR Swimming Pool Maintenance - Apprenticeship	30,31	/		
I46010R	TILE SETTING - APPR Tile Setting - Apprenticeship	30,31	/		
C70020R	SEC & FIRE SYSS - APPR Security and Fire Alarm Systems Installers - Apprenticeship	30,31	/		
C70030R	BLDG INSPECT - APPR Building Inspector - Apprenticeship	30,31	/		
C40010R	CONSTR PROJMGMT-APPR Construction Project Management - Apprenticeship	30,31	/		
C40011R	GEO THERM OPER - APPR Geothermal and Well Drilling Operator - Apprenticeship	30,31	/		
C40050R	ELECT UTIL WKR - APPR Electronic Utility Worker (Lightning Protection) - 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	CT	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	CT	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	CT	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	CT	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	CT	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	CT	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	CT	1.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
I100230	DIGITAL AUDIO PROD Digital Audio Production	30,31	/				
RTT0522	BROADCAST ANNOUNCER Broadcast Announcer	30,31	/Y	CT	1.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
RTT0523	AUDIO EQUIPMENT TECH Audio Equipment Technician	30,31	/Y	CT	2.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
RTT0524	SOUND ENGINEER TECH Sound Engineering Technician	30,31	/Y	CT	2.0	TEC ELEC ¶7 ¶G ENG&TEC ED1 @2 TV PRO TE@7 7	G
RTT0527	AUDIO BROADCAST TECH Audio Broadcast Technician	30,31	/Y	CT	2.0	TEC ELEC ¶7 ¶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	CT	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	CT	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7	G

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8201030	DIG CINEMA PROD 3 Digital Cinema Production 3/Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	2.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
FIL0086	CAMERA & LIGHT GRIP Camera and Lighting Grip	30,31	/Y CT	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
FIL0087	ADV PROD CREW Advanced Production Crew	30,31	/Y CT	2.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
FIL0088	DIG VIDEO EDITOR Digital Video Editor	30,31	/Y CT	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
FIL0089	VISUAL EFFECTS ART Visual Effects Artist	30,31	/Y CT	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 CT	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
8201220	DIG MEDIA/MM FOUND 2 Digital Media/Multimedia Foundations 2/Level 2	9-12	/Y CT	1.0	PHOTOG @7 7 G 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 CT	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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	CAREER AND TECHNICAL EDUCATION	
						CREDIT	CERTIFICATION
8201610	DIG MEDIA/MM WEBPROD Digital Media/Multimedia Web Production/Level 3	9-12	/Y CT	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		
8201620	DIG MEDIA/MM MG PROD Digital Media/Multimedia Motion Graphics Production/Level 3	9-12	/Y CT	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		
K100200	DIG MEDIA/MM DESIGN Digital Media/Multimedia Design	30,31	/				
DIG0081	THEORY & FOUND DSN Theory and Foundations of Design	30,31	/Y CT	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		
DIG0082	MM DIGITAL/PRINT DSN Multimedia Digital/Print Designer	30,31	/Y CT	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		
DIG0083	MM WEB INTERACTIVE Multimedia Web Interactive Designer	30,31	/Y CT	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		

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						REQUIREMENTS	CERTIFICATION
DIG0084	MM PRODUCER DESIGN Multimedia Integrated Producer Designer	30,31	/Y CT	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 CT	1.0	PHOTOG @7 7 G		
8201320	DIG PHOTOGRAPHY 2 Digital Photography 2/Level 2	9-12	/Y CT	1.0	PHOTOG @7 7 G		
8201330	DIG PHOTOGRAPHY 3 Digital Photography 3/Level 2	9-12	/Y CT	1.0	PHOTOG @7 7 G		
8201340	DIG PHOTOGRAPHY 4 Digital Photography 4/Level 2	9-12	/Y CT	1.0	PHOTOG @7 7 G		
8201350	DIG PHOTOGRAPHY 5 Digital Photography 5/Level 2	9-12	/Y CT	1.0	PHOTOG @7 7 G		
8201360	DIG PHOTOGRAPHY 6 Digital Photography 6/Level 2	9-12	/Y CT	1.0	PHOTOG @7 7 G		
8201370	DIG PHOTOGRAPHY 7 Digital Photography 7/Level 2	9-12	/Y CT	1.0	PHOTOG @7 7 G		
K100300	DIGITAL PHOTO TECH Digital Photography Technology	30,31	/				
PGY0190	PHOTOGRAPHIC SPEC Photographic Specialist	30,31	/Y CT	1.0	PHOTOG @7 7 G		
PGY0191	PHOTOGRAPHY TECH Photography Technician	30,31	/Y CT	2.0	PHOTOG @7 7 G		
PGY0192	STUDIO PHOTOGRAPHER Studio Photographer	30,31	/Y CT	2.0	PHOTOG @7 7 G		
PGY0193	DIGITAL PHOTOGRAPHER Digital Photographer	30,31	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G		
8201460	DIGITAL VIDEO TECH 6 Digital Video Technology 6/Level 3	9-12	/Y CT	1.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G		



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K100400	DIGITAL VIDEO TECH Digital Video Technology	30,31	/			
RTV0015	DIGITAL VIDEOGRAPHY Digital Videography	30,31	/Y	CT	3.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
RTV0016	DIGITAL AV TECH Digital Audio-Video Technology	30,31	/Y	CT	2.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G
RTV0017	DIGITAL VIDEO DIRECT Digital Video Direction and Production	30,31	/Y	CT	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	CT	1.0	BLDG CONS@7 7 G ELECTRICA@7 7 G TEC CONST@7 7 G ENG&TEC ED1 @2
TPA0391	STAGE PROD TECH Stage Production Technician	30,31	/Y	CT	1.0	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	CT	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	CT	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	CT	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	CT	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
8718150	3-D ANIMATION TECH 5 3-D Animation Technology 5/Level 2	9-12	/Y	CT	1.0	BUS ED 1 @2 COMM ART @7 7 G

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						PROGRAM/COURSE TITLE / COURSE LEVEL	GRADUATION REQUIREMENTS
8718160	3-D ANIMATION TECH 6 3-D Animation Technology 6/Level 2	9-12	/Y CT	1.0	COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G 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 CT	1.0	COMPU SCI 6 ELECT DP @7 %G TEC ELEC \$7 G TV PRO TE@7 7 G 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 CT	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 CT	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 CT	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 CT	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 CT	1.0	ENGLISH MG ENG	1 C	JOURNALISM 1
8771101	JOURNAL MULTIMEDIA	9-12	/				

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						PROGRAM/COURSE TITLE / COURSE LEVEL	GRADUATION REQUIREMENTS
8771110	Journalism and Multimedia MEDIA PRODUCTION Media Production/Level 2	9-12	/Y CT	1.0	TV PRO TE@7 7 G PHOTOG @7 7 G COMM ART @7 7 G MG ENG \$C BUS ED \$1 ENGLISH 1 @2 @4 BUS ED 1 @2		
8209510	DIGITAL DESIGN 1 Digital Design 1/Level 3	9-12	/Y CT	1.0	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 CT	1.0	ENGLISH 1 PHOTOG 7 G	JOURNALISM 1 BUS ED 1	
8201500	TV PRODUCTION TECH Television Production Technology	9-12	/				
8201510	TV PRODUCTION TECH 1 Television Production Technology 1/ Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	3.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G BUS ED 1		
RTT0516	STUDIO TECHNICIAN Studio Technician	30,31	/Y CT	3.0	ENG&TEC ED1 @2 TV PRO TE@7 7 G		

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RTT0109	TV PRODUCTION OPS Television Production Operations	30,31	/Y CT	2.0	BUS ED 1 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 CT	1.5	PRINTING @7 7 G		
GRA0021	DIG PUBLISH ASST 2 Digital Publishing Assistant 2	30,31	/Y CT	1.5	PRINTING @7 7 G		
GRA0022	DESKTOP PUB SPEC 1 Desktop Publishing Specialist 1	30,31	/Y CT	1.5	PRINTING @7 7 G		
GRA0023	DESKTOP PUB SPEC 2 Desktop Publishing Specialist 2	30,31	/Y CT	1.5	PRINTING @7 7 G		
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 CT	1.0	PRINTING @7 7 G		
8230120	BASIC OFFSET PRESS Basic Offset Press Operations/Level 2	9-12	/Y CT	1.0	PRINTING @7 7 G		
8230130	BASIC FIN & BINDERY Basic Finishing and Bindery Operations/Level 2	9-12	/Y CT	1.0	PRINTING @7 7 G		
8230140	DIG PROD PRINT OPS Digital Production Printing Operations/Level 3	9-12	/Y CT	1.0	PRINTING @7 7 G		
8230150	DIG IMAGING & TYPOG Digital Imaging and Typography/ Level 3	9-12	/Y CT	1.0	PRINTING @7 7 G		
8230160	PAGE LAYOUT & SCAN Page Layout and Scanning Operations /Level 3	9-12	/Y CT	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 CT	3.0	PRINTING @7 7 G		
GRA0042	DIGITAL PROD PRINT Digital Production Printing	30,31	/Y CT	1.0	PRINTING @7 7 G		
GRA0017	DIGITAL PREPRESS OPS Digital Prepress Operations	30,31	/Y CT	3.0	PRINTING @7 7 G		
GRA0045	OFFSET PRINTING TECH Offset Printing Technology	30,31	/Y CT	3.0	PRINTING @7 7 G		
GRA0046	FIN & DIST PROCESSES Finishing and Distribution Processes	30,31	/Y CT	1.0	PRINTING @7 7 G		

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			GRADUATION REQUIREMENTS			

## TELECOMMUNICATIONS CAREER PATH (ARPE)

8730200	TELECOMM TECHNOLOGY Telecommunications Technology	9-12	/			
8730210	TELECOM TECHNOLOGY 1 Telecommunications Technology 1/ Level 2	9-12	/Y	CT	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	CT	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	CT	1.0	COMP SVC 7 G ELECTRICA@7 7 G ELECTRONI@7 7 G TELCOM 7 G
8730240	TELECOM TECHNOLOGY 4 Telecommunications Technology 4/ Level 2	9-12	/Y	CT	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	CT	1.0	COMM ART @7 7 G GRAPH COMM7 G
8718020	COMMERCIAL ART TEC 2 Commercial Art Technology 2/Level 2	9-12	/Y	CT	1.0	COMM ART @7 7 G GRAPH COMM7 G
8718030	COMMERCIAL ART TEC 3 Commercial Art Technology 3/Level 2	9-12	/Y	CT	1.0	COMM ART @7 7 G GRAPH COMM7 G
8718040	COMMERCIAL ART TEC 4 Commercial Art Technology 4/Level 2	9-12	/Y	CT	1.0	COMM ART @7 7 G GRAPH COMM7 G
8718050	COMMERCIAL ART TEC 5 Commercial Art Technology 5/Level 2	9-12	/Y	CT	1.0	COMM ART @7 7 G GRAPH COMM7 G
8718060	COMMERCIAL ART TEC 6 Commercial Art Technology 6/Level 2	9-12	/Y	CT	1.0	COMM ART @7 7 G GRAPH COMM7 G
8718070	COMMERCIAL ART 7 Commercial Art Technology 7/Level 2	9-12	/Y	CT	1.0	COMM ART @7 7 G GRAPH COMM7 G
8718080	COMMERCIAL ART 8 Commercial Art Technology 8/Level 2	9-12	/Y	CT	1.0	COMM ART @7 7 G GRAPH COMM7 G
8718090	COMMERCIAL ART 9 Commercial Art Technology 9/Level 3	9-12	/Y	CT	1.0	COMM ART @7 7 G GRAPH COMM7 G
8718091	COMMERCIAL ART 10 Commercial Art Technology 10/Level 3	9-12	/Y	CT	1.0	COMM ART @7 7 G GRAPH COMM7 G
I480203	COMMERCIAL ART TECH Commercial Art Technology	30,31	/			
GRA0036	GRAPHIC DESIGNER	30,31	/Y	CT	3.0	COMM ART @7 7 G

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			REQUIREMENTS					
GRA0037	Graphic Designer DIGITAL DESIGNER	30,31	/Y	CT	3.0	GRAPH COMM7	G	
	Digital Designer					COMM ART @7	7	G
GRA0038	PRINT MEDIA ARTIST	30,31	/Y	CT	2.0	GRAPH COMM7	G	
	Print Media Artist					COMM ART @7	7	G
GRA0039	WEB DESIGNER	30,31	/Y	CT	2.0	GRAPH COMM7	G	
	Web Designer					COMM ART @7	7	G
8772000	CMCL PHOTO TECH Commercial Photography Technology	9-12	/					
8772010	CMCL PHOTO TECH 1 Commercial Photography Technology 1	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
8772020	CMCL PHOTO TECH 2 Commercial Photography Technology 2	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
8772030	CMCL PHOTO TECH 3 Commercial Photography Technology 3	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
8772040	CMCL PHOTO TECH 4 Commercial Photography Technology 4	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
8772050	CMCL PHOTO TECH 5 Commercial Photography Technology 5	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
8772060	CMCL PHOTO TECH 6 Commercial Photography Technology 6	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
8772070	CMCL PHOTO TECH 7 Commercial Photography Technology 7	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
8772080	CMCL PHOTO TECH 8 Commercial Photography Technology 8	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
8772090	CMCL PHOTO TECH 9 Commercial Photography Technology 9	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
8772091	CMCL PHOTO TECH 10 Commercial Photography Technology 10	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
8772092	CMCL PHOTO TECH 11 Commercial Photography Technology 11	9-12	/Y	CT	1.0	PHOTOG @7	7	G
	/Level 2							
K610100	CMCL PHOTO TECH 1 Commercial Photography Technology 1	30,31	/					
PGY0180	PHOTO IMAGING SPEC 1 Photographic Imaging Specialist 1	30,31	/Y	CT	2.0	PHOTOG @7	7	G
PGY0181	PHOTO IMAGING SPEC 2 Photographic Imaging Specialist 2	30,31	/Y	CT	2.0	PHOTOG @7	7	G
PGY0182	PHOTO SPEC/LAB TECH	30,31	/Y	CT	1.0	PHOTOG @7	7	G

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	Photography Specialist/Lab Technician						
K610200	CMCL PHOTO TECH 2 Commercial Photography Technology 2	30,31 /					
PGY0183	PORTRAIT PHOTO 1 Portrait Photographer 1	30,31 /Y	CT	1.5	PHOTOG @7 7 G		
PGY0184	PORTRAIT PHOTO 2 Portrait Photographer 2	30,31 /Y	CT	1.5	PHOTOG @7 7 G		
PGY0185	COMM PHOTOGRAPHER Commercial Photographer	30,31 /Y	CT	3.0	PHOTOG @7 7 G		
8209600	DIGITAL DESIGN Digital Design	9-12 /					
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12 /Y	CT	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	CT	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	CT	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	CT	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		

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8209540	DIGITAL DESIGN 4 Digital Design 4/Level 3	9-12	/Y CT	1.0	PRINTING @7 7 G
					SECRETAR 7 G
					TC COOP E@7
					ENG&TEC ED1 @2
					TEC ELEC \$7 G
					VOE @7
					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					
8209550	DIGITAL DESIGN 5 Digital Design 5/Level 3	9-12	/Y CT	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
					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 CT	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					
GRA0024	PRODUCTION ASST Production Assistant	30,31	/Y CT	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



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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
GRA0025	DIGITAL ASST DSN Digital Assistant Designer	30,31	/Y CT	2.0	TEC ELEC \$7 G VOE @7 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
GRA0026	GRAPHIC DESIGNER Graphic Designer	30,31	/Y CT	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

## 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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER	
GRA0027	MEDIA DESIGNER Media Designer	30,31	/Y CT	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	
K700100	DIGITAL DESIGN 1 Digital Design 1	30,31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y CT	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	
GRA0024	PRODUCTION ASST Production Assistant	30,31	/Y CT	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 CT	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	

## 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	CAREER AND TECHNICAL EDUCATION	
						PROGRAM/COURSE TITLE / COURSE LEVEL	GRADUATION REQUIREMENTS
K700200	DIGITAL DESIGN 2 Digital Design 2	30,31	/				
GRA0026	GRAPHIC DESIGNER Graphic Designer	30,31	/Y CT	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		
GRA0027	MEDIA DESIGNER Media Designer	30,31	/Y CT	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 SERVICES CORE Design Services Core/Level 2	9-12	/Y CT	1.0	APPRL MFG@7 @7 G FAM CON SC1 FASH TECH 7 G HME EC OC@7 ENG&TEC ED1 @2 INT DES 7 G		
8506410	PRIN FASH DESIGN Principles of Fashion Design Services /Level 2	9-12	/Y CT	1.0	APPRL MFG@7 @7 G FAM CON SC1 FASH TECH 7 G HME EC OC@7 ENG&TEC ED1 @2 TAILORING@7 INT DES 7 G		
8506420	PATTERN DESIGN TECNQ Pattern Design Techniques/Level 3	9-12	/Y CT	1.0	APPRL MFG@7 @7 G FAM CON SC1 FASH TECH 7 G HME EC OC@7 TAILORING@7 ENG&TEC ED1 @2 INT DES 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
8506430	FASH DESIGN SPEC Fashion Design Specialist/Level 3	9-12	/Y CT	1.0	APPRL MFG@7 G FAM CON SC1 FASH TECH 7 G HME EC OC@7 TAILORING@7 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 CT	1.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0001	INDUS SEAMSTRESS Industrial Seamstress	30,31	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2
CTE0010	EMBROIDERER Embroiderer	30,31	/Y CT	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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						REQUIREMENTS	CERTIFICATION
CTE0011	EMBROIDERY DIGITIZER Embroidery Digitizer	30,31	/Y CT	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2		
CTE0012	CAD PATTERNMAKER 1 CAD Patternmaker 1	30,31	/Y CT	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2		
CTE0013	CAD PATTERNMAKER 2 CAD Patternmaker 2	30,31	/Y CT	2.0	APPRL MFG@7 7 G FAM CON SC1 TAILORING 7 G ENG&TEC ED1 @2		
V200600	INT DESIGN SERVICES Interior Design Services	30,31	/				
HEV0412	HOME STAGING DES/CC Home Staging Designer/Color Consultant	30,31	/Y CT	1.0	FAM CON SC1 HME EC OC@7 @7 G INT DEC 7 G		
HEV0452	SMARTHOME SPECIALIST Smart Home Specialist/e-Designer	30,31	/Y CT	2.0	FAM CON SC1 HME EC OC@7 @7 G INT DEC 7 G		
HEV0453	SUSTAIN SPEC/K&B DES Sustainability Specialist/Kitchen & Bath Designer	30,31	/Y CT	2.0	FAM CON SC1 HME EC OC@7 @7 G INT DEC 7 G		
HEV0413	INT DEC/ENTREPRENEUR Interior Decorator/Entrepreneur	30,31	/Y CT	1.0	FAM CON SC1 HME EC OC@7 @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 CT	1.0	APPRL MFG@7 @7 G FAM CON SC1 FASH TECH 7 G HME EC OC@7 ENG&TEC ED1 @2 INT DES 7 G		
8506540	PRIN INT DESIGN SERV Principles of Interior Design Services/Level 2	9-12	/Y CT	1.0	APPRL MFG@7 @7 G FAM CON SC1 HME EC OC@7 INT DES 7 G ENG&TEC ED1 @2 TAILORING@7 FASH TECH 7 G		
8506550	INT DESIGN TECNQS Interior Design Techniques/Level 2	9-12	/Y CT	1.0	APPRL MFG@7 @7 G FAM CON SC1 HME EC OC@7 INT DES 7 G ENG&TEC ED1 @2 TAILORING@7 FASH 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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	CAREER AND TECHNICAL EDUCATION	
						CT	CTE
8506560	INTERIOR DESIGN SPEC Interior Design Specialist/Level 3	9-12	/Y CT	1.0	APPRL MFG@7 G FAM CON SCI HME EC OC@7 INT DES 7 G ENG&TEC ED1 @2 TAILORING@7 FASH TECH 7 G		
GENERAL PROGRAMS							
8200430	ARTS,A/V OJT Arts, A/V Technology and Communication Cooperative Education - OJT	9-12	/M CT	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE		
8200400	ARTS, A/V DIR STUDY Arts, A/V Technology and Communication Directed Study	11-12	/M CT	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	/S		FAM CON SCI 1	FASH TECH 7 G	
8500380	FABR CONSTRUCTION Fabric Construction/Level 2	9-12	/S CT	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 1 @2 ENG&TEC ED 1 @2	PRINTING @7 7 G TV PRO TEC @7 7 G	
8260400	FUND OF TELECOMM Fundamentals of Telecommunications	6-8	/S		COMP SVC 7 G ELECTRONIC @7 7 G TELCOM 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 @7 %7 %G CLERICAL @7 7 G COMPU SCI 6 @2 GRAPH ARTS 4 MKTG 1 PHOTOG @7 7 G SECRETAR 7 G ENG&TEC ED 1 @2 VOE @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	

## 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			
8209350	INTRO ARTS, A/V Introduction to Arts, A/V Technology and Communication	6-8	/S		BUS ED	1 @2	COMM ART	@7 7 G
					COMPU SCI	6 @2	MKTG	1
					PRINTING	@7 7 G	SECRETAR	7 G
					TC COOP ED	@7	ENG&TEC ED	1 @2
					TV PRO TEC	@7 7 G	VOE	@7
8209360	INTRO ARTS, A/V & CP Introduction to Arts, A/V Technology and Communication/Career Planning	6-8	/S		BUS ED	1 @2	COMM ART	@7 7 G
					COMPU SCI	6 @2	MKTG	1
					PRINTING	@7 7 G	SECRETAR	7 G
					TC COOP ED	@7	ENG&TEC ED	1 @2
					TV PRO TEC	@7 7 G	VOE	@7

## APPRENTICESHIP PROGRAMS

I47034R	TELECOM TECH - APPR Telecommunications Technology - Apprenticeship	30,31	/				
K10050R	MULTIMEDIA PROD-APPR Multimedia Producer - Apprenticeship	30,31	/				
K60030R	AV EQUIP IN/REP-APPR Audiovisual Equipment Installers and Repairers - Apprenticeship	30,31	/				

## |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	CT	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
8215120	BUSINESS ENTREP PRIN Business and Entrepreneurship Principles/Level 3	9-12	/Y	CT	1.0	MKTG MGMT	7 G
						WEB DEV	7 G
						ACCTING	@7 7 G
						BUS ED	1 @2
						MANAG SUPV	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									
8203310	ACCOUNTING APPS 1 Accounting Applications 1/Level 3	9-12	/Y CT	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 CT	1.0		ACCTING @7 7 G	BUS ED 1 @2	MANAG SUPV7 G						
8301120	BUSINESS ANALYSIS Business Analysis/ Level 3	9-12	/Y CT	1.0		ACCTING @7 7 G	BUS ED 1 @2	MANAG SUPV7 G						
8215130	LEG ASPECTS BUSINESS Legal Aspects of Business/Level 3	9-12	/Y CT	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 CT	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 CT	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 CT	3.0		ACCTING @7 7 G	BOOKKEEPI@4 @7 G	BUS ED 1 @2	MANAG SUPV7 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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER	
8217100	PROMOTIONAL ENT Promotional Enterprise	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	CT	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	
8217110	CUS PROMO LAYOUT DSN Custom Promotional Layout Design/ Level 2	9-12	/Y	CT	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	CT	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	CT	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	CT	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	

## 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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER	
						VOE	@7
8217150	PROMO BUS MGMT&SUPR2 Promotional Business Management and Supervision 2/Level 2	9-12	/Y CT	1.0		VOE @7	
						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	
8217160	LEG ASP OF PROMO IND Legal Aspects of Promotional Industry Ownership/Level 2	9-12	/Y CT	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 CT	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 CT	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	
8203320	ACCOUNTING APPS 2 Accounting Applications 2/Level 3	9-12	/Y CT	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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION					
8203330	ACCOUNTING APPS 3 Accounting Applications 3/Level 3	9-12	/Y CT	1.0	ACCTING @7 7 G BOOKKEEPI@4 @7 7 G BUS ED 1 @2 TC COOP E@7 VOE @7					
B070110	ACCOUNTING OPERATION Accounting Operations	30,31	/							
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CAREER AND TECHNICAL EDUCATION	
					CERTIFICATION	
8300620	RES PROPERTY MGMT 2 Residential Property Management 2/ Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 BUS DP @7	
8200420	BUSINESS COOP MGMT Business Cooperative Education Organization and Management/Level 2	9-12	/M CT	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 CT	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 CT	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	
8216110	INTL BUSINESS SYSTEM International Business Systems/ Level 2	9-12	/Y CT	1.0	BANK FINC@7 7 G 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 CT	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 CT	1.0	BOOKKEEPI@4 @7 7 G BUS ED 1 @2 MANAG SUPV7 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

## MARKETING &amp; COMMUNICATIONS CAREER PATH (BAPE)

8200300	ELEC BUSINESS ENTERP Electronic Business Enterprise	9-12	/			
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	CT	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	CT	1.0	BUS DP @7 BUS ED 1 @2 ELECT DP @7 %G
8200350	E-COMMERCE ENTREP E-Commerce Entrepreneur/Level 2	9-12	/Y	CT	1.0	BUS DP @7 BUS ED 1 @2 ELECT DP @7 %G
8200360	E-COM SYS ANLY & DSN E-Commerce Systems Analysis and Design/Level 2	9-12	/Y	CT	1.0	BUS DP @7 BUS ED 1 @2 ELECT DP @7 %G

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

8306300	ADMIN OFFICE SPEC Administrative Office specialist	9-12	/			
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	CT	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
8306310	ADMIN OFFICE SPEC 1 Administrative Office specialist 1/ Level 2	9-12	/Y	CT	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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER	
8306320	ADMIN OFFICE SPEC 2 Administrative Office Specialist 2/ Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 CLERICAL @7 7 G MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 VOE @7		
8306330	ADMIN OFFICE SPEC 3 Administrative Office Specialist 3/ Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 CLERICAL @7 7 G MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 VOE @7		
<sup>a</sup> 8212500	ADMIN OFFICE SPEC Administrative Office Specialist	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y CT	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 CT	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 CT	1.0	BUS ED 1 @2 CLERICAL @7 7 G MANAG SUP@7 G SECRETAR 7 G TC COOP E@7 VOE @7		
8209510	DIGITAL DESIGN 1 Digital Design 1/Level 3	9-12	/Y CT	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		

## 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	CAREER AND TECHNICAL EDUCATION	
						CREDIT	CERTIFICATION
<sup>a</sup> 8212410	ADM OFFICE TECH 2 Administrative Office Technology 2/ Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 CLERICAL @7 7 G MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 VOE @7		
<sup>a</sup> 8212420	ADM OFFICE TECH 3 Administrative Office Technology 3/ Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 CLERICAL @7 7 G MANAG SUPV7 G SECRETAR 7 G TC COOP E@7 VOE @7		
<sup>a</sup> 8212160	BUSINESS SOFTWARE 2 Business Software Applications 2/ Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	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		
OTA0043	ADMIN OFFICE SPEC Administrative Office Specialist	30,31	/Y CT	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		

## 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			
8306100	COURT RPT TECHNOLOGY Court Reporting Technology	9-12	/			
8306110	FUND OF COURT REPORT Fundamentals of Court Reporting/ Level 2	9-12	/Y	CT	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	CT	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
8200230	COURT RPT TECH 1 Court Reporting Technology 1/ Level 2	30,31	/Y	CT	1.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
8200240	COURT RPT TECH 2 Court Reporting Technology 2/ Level 2	30,31	/Y	CT	1.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
8200250	COURT RPT TECH 3 Court Reporting Technology 3/ Level 2	30,31	/Y	CT	1.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
8200260	COURT RPT TECH 1 Court Reporting Technology 4/ Level 4	30,31	/Y	CT	1.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7
B600100	COURT RPT TECHNOLOGY Court Reporting Technology	30,31	/			
OTA0039	COURT REPORT FUND Court Reporting Fundamentals	30,31	/Y	CT	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	CT	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	CT	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	CT	1.0	BUS ED 1 @2 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		
B700600	COURT REPORTING 2 Court Reporting 2	30,31	/				
OTA0047	COURT RPT SCOPIST 1 Court Reporting Scopist 1	30,31	/Y	CT	4.0	BUS ED 1 @2 SECRETAR 7 G TC COOP E@7 VOE @7	
B700700	COURT REPORTING 3 Court Reporting 3	30,31	/				
OTA0048	COURT REPORTER 1 Court Reporter 1	30,31	/Y	CT	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	CT	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	CT	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	CT	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	CT	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	CT	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	CT	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	/				

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

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8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y CT	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 CT	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 CT	1.0	BUS ED 1 @2 MANAG SUPV 7 G TC COOP ED @7	CLERICAL @7 7 G SECRETAR 7 G		
8306220	LEGAL STUDIES 2 Legal Studies 2/Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 MANAG SUPV 7 G TC COOP ED @7	CLERICAL @7 7 G SECRETAR 7 G		
8306230	LEGAL STUDIES 3 Legal Studies 3/Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 MANAG SUPV 7 G TC COOP ED @7	CLERICAL @7 7 G SECRETAR 7 G		
B072000	LEGAL ADMIN SPEC Legal Administrative Specialist	30,31	/					
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y CT	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 CT	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 CT	1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 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	CAREER AND TECHNICAL EDUCATION	
						CREDIT	CERTIFICATION
OTA0050	LEGAL ADMIN SPEC Legal Administrative Specialist	30,31	/Y CT	3.0	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 CT	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 CT	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 CT	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 CT	1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7 MANAG SUPV7 G		
8212202	MEDICAL OFF TECH 2 Medical Office Technology 2/Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7 MANAG SUPV7 G		
8212203	MEDICAL OFF TECH 3 Medical Office Technology 3/Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 CLERICAL @7 7 G SECRETAR 7 G TC COOP E@7 VOE @7 MANAG SUPV7 G		

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						CREDIT	CERTIFICATION
8212204	MED OFF INTERNSHIP Medical Office Internship/Level 2	9-12	/Y CT	1.0	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 CT	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 CT	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		
OTA0631	MEDICAL OFFICE TECH Medical Office Technologist	30,31	/Y CT	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 CT	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		

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SUPPLEMENTAL PROGRAMS							
8500375	BLUEPR PROF SUCCESS Blueprint for Professional Success/ Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	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 Directed Study	11-12	/M CT	MULTIPLE	ANY BUSINESS ED G BUS ED 1 @2	COMPU SCI 6 INFO TECH 7 G	
8200110	BUSINESS KEYBOARDING Business Keyboarding	6-8	/S		BUS ED 1 @2 VOE @7 ANY BUSINESS ED G	TC COOP ED @7 COMPU SCI 6 INFO TECH 7 G	
8200130	BUS KEY & CAR PLAN Business Keyboarding and Career Planning	6-8	/S		BUS ED 1 @2 VOE @7 ANY BUSINESS ED G	TC COOP ED @7 COMPU SCI 6 INFO TECH 7 G	
8200120	BUSINESS LEAD SKLS Business Leadership Skills	6-8	/S		BUS ED 1 @2 VOE @7 ANY BUSINESS ED G	TC COOP ED @7 COMPU SCI 6 INFO TECH 7 G	
8200520	CPTR APPL BUS 1 Computer Applications in Business 1	6-8	/S		BUS ED 1 @2 TC COOP ED @7 VOE @7 ANY BUSINESS ED G	COMPU SCI 6 ENG&TEC ED 1 @2 INFO TECH 7 G	
8200220	CPTR APPL BUS 1 & CP Computer Applications in Business 1 and Career Planning	6-8	/S		BUS ED 1 @2 TC COOP ED @7 VOE @7 ANY BUSINESS ED G	COMPU SCI 6 ENG&TEC ED 1 @2 INFO TECH 7 G	
8200210	CPTR APPL BUSINESS 2 Computer Applications in Business 2	6-8	/S		BUS ED 1 @2 TC COOP ED @7 ENG&TEC ED 1 @2 ANY BUSINESS ED G	COMPU SCI 6 VOE @7 INFO TECH 7 G	

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

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8200211	CPTR APPL BUSINESS 3 Computer Applications in Business 3	6-8	/S		BUS ED 1 @2 COMPU SCI 6 TC COOP ED @7 INFO TECH 7 G	CLERICAL @7 7 G SECRETAR 7 G VOE @7 ANY BUSINESS ED G	
8200212	CPTR APPL BUSINESS 4 Computer Applications in Business 4	6-8	/S		BUS ED 1 @2 COMPU SCI 6 TC COOP ED @7 INFO TECH 7 G	CLERICAL @7 7 G SECRETAR 7 G VOE @7 ANY BUSINESS ED G	
8207010	EMERG TECH BUSINESS Emerging Technology in Business/ Level 2	9-12	/Y CT	1.0	ACCTING @7 7 G BUS DP @7 %G CLERICAL @7 7 G MANAG SUPV @7 %G TC COOP ED T G VOE @7 7 G TEC ELEC @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 1 @2 VOE @7 ANY BUSINESS ED G	TC COOP ED @7 COMPU SCI 6 INFO TECH 7 G	
8370360	INTRO BUSINESS & CP Introduction to Business, Management and Administration/Career Planning	6-8	/S		BUS ED 1 @2 VOE @7 ANY BUSINESS ED G	TC COOP ED @7 COMPU SCI 6 INFO TECH 7 G	
8299990	BUSINESS ED TRAN Business Education Transfer	9-12	/		NA		
B000000	BUSINESS ED TRAN Business Education Transfer	30,31	/		NA		

## APPRENTICESHIP PROGRAMS

Y10050R	INFO ASSUR SPEC-APPR Information Assurance Specialist - Apprenticeship	30,31	/				
B07200R	LEGAL SECRETARY-APPR Legal Secretary - Apprenticeship	30,31	/				
B40010R	BUS ANALYST - APPR Business Analyst - Apprenticeship	30,31	/				
B07030R	MED SECRETARY - APPR Medical Secretary - Apprenticeship	30,31	/				
B30031R	PROJECT MGMT - APPR Project Management - Apprenticeship	30,31	/				

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

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B30030R	OFF MGR/ADM SVC-APPR Office Manager/Administrative Services - Apprenticeship	30,31	/		
B07011R	FINAN SPEC - APPR Financial Specialist - Apprenticeship	30,31	/		
B80010R	CAREER DEV TECH-APPR Career Development Technician - Apprenticeship	30,31	/		
B50010R	DIG MARKETER - APPR Digital Marketer - Apprenticeship	30,31	/		

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| EDUCATION & TRAINING CAREER CLUSTER |  
-----PROFESSIONAL SUPPORT SERVICES CAREER PATH (EDPA)  
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8909000	PRIN OF TEACHING Principles of Teaching	9-12	/						
8909010	INTRO TEACH PROF Introduction to the Teaching Profession/Level 2	9-12	/Y	CT	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER			
8909020	HUMAN GROWTH/DEV Human Growth and Development/Level 2	9-12	/Y	CT	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER			
8909030	FOUND/CURR & INSTRUC Foundations of Curriculum and Instruction/Level 3	9-12	/Y	CT	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER			
8909040	PRIN TEACHING INTERN Principles of Teaching Internship/ Level 2	9-12	/Y	CT	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	CT	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER			
EDG0317	TEACHER ASSISTANT Teacher Assistant	30,31	/Y	CT	3.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER			

TEACHING/TRAINING CAREER PATH (EDPC)  
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V200206	CHILD CARE CTR OPS Child Care Center Operations	30,31	/						
HEV0160	CHILD CARE CTR DIR Child Care Center Director	30,31	/S	CT	0.5	CH CARE TR7 G E CHILD E@0 FAM CON SC1 HME EC OC7 %7 %G 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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	
8405100	EARLY CHILDHOOD ED Early Childhood Education	9-12	/				
8405110	EARLY CHILDHOOD ED 1 Early Childhood Education 1/Level 2	9-12	/Y	CT	1.0	E CHILD E@0 FAM CON SC1 HME EC OC47 PK PRIMARYH PRESCH ED L PRIMARY E@B	
8405120	EARLY CHILDHOOD ED 2 Early Childhood Education 2/Level 2	9-12	/Y	CT	1.0	E CHILD E@0 FAM CON SC1 HME EC OC47 PK PRIMARYH PRESCH ED L PRIMARY E@B	
8405130	EARLY CHILDHOOD ED 3 Early Childhood Education 3/Level 3	9-12	/Y	CT	1.0	E CHILD E@0 FAM CON SC1 HME EC OC47 PK PRIMARYH PRESCH ED L PRIMARY E@B	
8405140	EARLY CHILDHOOD ED 4 Early Childhood Education 4/Level 3	9-12	/Y	CT	1.0	E CHILD E@0 FAM CON SC1 HME EC OC47 PK PRIMARYH PRESCH ED L PRIMARY E@B	
E300100	EARLY CHILDHOOD ED Early Childhood Education	30,31	/				
HEV0870	CHILD CARE WORKER 1 Child Care worker 1	30,31	/Y	CT	1.0	CH CARE TR7 E CHILD E@0 FAM CON SC1 PK PRIMARYH PRESCH ED L PRIMARY E@B	G
HEV0871	CHILD CARE WORKER 2 Child Care worker 2	30,31	/Y	CT	1.0	CH CARE TR7 E CHILD E@0 FAM CON SC1 PK PRIMARYH PRESCH ED L PRIMARY E@B	G
HEV0872	TEACHER AIDE (PRESC) Teacher Aide (Preschool)	30,31	/Y	CT	1.0	CH CARE TR7 E CHILD E@0 FAM CON SC1 PK PRIMARYH PRESCH ED L PRIMARY E@B	G
HEV0873	PRESCHOOL TEACHER Preschool Teacher	30,31	/Y	CT	1.0	CH CARE TR7 E CHILD E@0 FAM CON SC1 PK PRIMARYH PRESCH ED L PRIMARY E@B	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
V200410	FAM CHILD CARE TRAIN Family Child Care Training	30,31	/		
HEV0119	FAM CHILD CARE PROV Family Child Care Provider	30,31	/S CT	0.5	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 CT	0.5	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 CT	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 CT	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 CT	MULTIPLE	ANY HOME EC/TC COOP ED E G E CHILD ED @0 HME EC OCC 7 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 CT	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY HOME ECONOMICS ED G E CHILD ED @0 PK PRIMARY H PRIMARY ED @B SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE FAM CON SCI 1 PRESCH ED L
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

## 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
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	/		
E14050R	TEACHER ASST - APPR Teacher Assistant - Apprenticeship	30,31	/		
E50010R	K-12 TEACHER APPR K-12 Teacher Apprenticeship	30,31	/		

## ENERGY CAREER CLUSTER

## ENERGY

X100100	ELEC LINEWORKER Electrical Lineworker	30,31	/		
BCV0666	ELEC LINEWORKER 1 Electrical Lineworker 1	30,31	/Y	CT	3.5 ELECTRICA@7 7 G TEC ELEC @7 7 G
BCV0668	ELEC LINEWORKER 2 Electrical Lineworker 2	30,31	/Y	CT	3.5 ELECTRICA@7 7 G TEC ELEC @7 7 G
BCV0669	ELEC LINEWORKER 3 Electrical Lineworker 3	30,31	/Y	CT	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	CT	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
9700210	ENERGY GENERATION TE Energy Generation Technician/Level 3	9-12	/Y	CT	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	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
9700300	ENERGY TECHNICIAN Energy Technician	9-12	/			
8006110	ENERGY INDUSTRY FUND Energy Industry Fundamentals/Level 3	9-12	/Y	CT	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	CT	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	CT	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	CT	2.0	ELECTRICA@7 7 G IND ENGR 7 G ENG&TEC ED1 @2
ETP0091	ENERGY TECHNICIAN 2 Energy Technician 2	30,31	/Y	CT	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	CT	1.0	NATGASTEC 7 G
TRA0651	NATURAL GAS DIST 2 Natural Gas Operations and Distribution 2	30,31	/Y	CT	1.0	NATGASTEC 7 G
TRA0652	NATURAL GAS DIST 3 Natural Gas Operations and Distribution 3	30,31	/Y	CT	1.0	NATGASTEC 7 G
PMT0070	WELDER ASSISTANT 1 welder Assistant 1	30,31	/Y	CT	1.0	METAL WORK7 G WELDING @7 7 G
PMT0071	WELDER ASSISTANT 2 welder Assistant 2	30,31	/Y	CT	1.0	METAL WORK7 G WELDING @7 7 G
TRA0086	TRACTOR OPERATOR Tractor Operator	30,31	/Y	CT	1.0	OPER ENGR@7 7 G
TRA0080	TRACTOR TRAIL TRK DR Tractor Trailer Truck Driver	30,31	/Y	CT	2.0	COMM DRIV@7 7 G
8006100	SOLAR ENERGY TECH Solar Energy Technology	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	CAREER AND TECHNICAL EDUCATION		
8006110	ENERGY INDUSTRY FUND Energy Industry Fundamentals/Level 3	9-12	/Y CT	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 CT	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 CT	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 CT	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 1 Turbine Generator Maintenance Technician 1	30,31	/Y CT	3.0	BLDG CONS@7 7 G IND ENGR 7 G MILLWRIGHT7 G TEC CONST@7 7 G			
EEV0141	TURB GEN MAINT TE 2 Turbine Generator Maintenance Technician 2	30,31	/Y CT	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 CT	3.0	BLDG CONS@7 7 G IND ENGR 7 G MILLWRIGHT7 G TEC CONST@7 7 G			
ENERGY - SUPPLEMENTAL PROGRAMS								
9700420	ENERGY OJT Energy Cooperative Education - OJT	9-12	/M CT	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	COURSES MEETING SUBJECT AREA	
						REQUIREMENTS	CREDIT
9701000	ENERGY DIRECTED ST Energy Directed Study	11-12	/M CT	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
9790300	FUND OF ENERGY Fundamentals of Energy	6-8	/S		ELECTRICAL ENG&TEC ED	@7 1 @2	7 G IND ENGR 7 G
9709350	INTRO TO ENERGY Introduction to Energy	6-8	/S		ELECTRICAL ENG&TEC ED	@7 1 @2	7 G IND ENGR 7 G
9709360	INTRO TO ENERGY & CP Introduction to Energy and Career Planning	6-8	/S		ELECTRICAL ENG&TEC ED	@7 1 @2	7 G IND ENGR 7 G

## APPRENTICESHIP PROGRAMS

X50010R	ELEC METER RPR-APP Electric Meter Repairer - Apprenticeship	30,31	/				
I46030R	ELEC LINESER&RPR-APP Electrical Line Service and Repair - Apprenticeship	30,31	/				
X60040R	SOLAR ENER TECH-APPR Solar Energy Technician - 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 CT	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 ENG ENG TEC ENG&TEC ED1	7 G 7 G 7 G @2	7 G IND ENGR 7 G
8600680	AEROSPACE TECH 2 Aerospace Technologies 2/Level 3	9-12	/Y EQ	1.0	AEROSPACE ENG ENG TEC ENG&TEC ED1	7 G 7 G 7 G @2	7 G IND ENGR 7 G
8601780	AEROSPACE TECH 3 Aerospace Technologies 3/Level 3	9-12	/Y EQ	1.0	AEROSPACE ENG ENG TEC ENG&TEC ED1	7 G 7 G 7 G @2	7 G IND ENGR 7 G

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

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION			
8401100	APPLD ENGINEER TECH Applied Engineering Technology	9-12	/					
8401110	APPLD ENG TECH 1 Applied Engineering Technology 1/ Level 3	9-12	/Y	CT	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	CT	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	CT	1.0	ENG	7	G
						ENG TEC	7	G
						ENG&TEC	ED1	@2
✕9401200	ADV AEROSPACE TECH Advanced Aerospace Technology	9-12	/					
✕9401210	INTRO TO SPACE Introduction to Space/Level 3	9-12	/Y	CT	1.0	ENG	7	G
						ENG&TEC	ED1	@2
						PLTW PTE	7	G
✕9401220	SPACE EXPLOR & UTIL Space Exploration and Utilization/ Level 3	9-12	/Y	CT	1.0	ENG	7	G
						ENG&TEC	ED1	@2
						PLTW PTE	7	G
✕9401230	AEROSPACE MOD & SIM Aerospace Design, Modeling & Simulation/Level 3	9-12	/Y	CT	1.0	ENG	7	G
						ENG&TEC	ED1	@2
						PLTW PTE	7	G
✕9401240	ADV AEROSPACE MECH Advanced Aerospace Mechanical Design/Level 3	9-12	/Y	CT	1.0	ENG	7	G
						ENG&TEC	ED1	@2
						PLTW PTE	7	G
9410100	APPLIED ROBOTICS Applied Robotics	9-12	/					
9410110	FOUND OF ROBOTICS Foundations of Robotics/Level 3	9-12	/Y	CT	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	CT	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	CT	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	CT	1.0	ENG	7	G
						ENG TEC	7	G
						ROBOTICS	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	CAREER AND TECHNICAL EDUCATION	
						7	G
9401100	ARTIFICIAL INTELL FDN Artificial Intelligence Foundations	9-12	/				
9401010	AI IN THE WORLD Artificial Intelligence in the world/ Level 2	9-12	/S	CT	0.5	ENG 7 G ENG TEC 7 G ENG&TEC ED1 @2 BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G COMP PROG 7 G MATH 1	
9401020	APPS OF AI Applications of Artificial Intelligence/Level 2	9-12	/S	CT	0.5	ENG 7 G ENG TEC 7 G ENG&TEC ED1 @2 BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G COMP PROG 7 G MATH 1	
9007220	PROCEDURAL PROGRAM Procedural Programming/Level 3	9-12	/Y	CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6	
9401040	FDNS OF MACHINE LRNG Foundations of Machine Learning/ Level 2	9-12	/Y	CT	1.0	ENG 7 G ENG TEC 7 G ENG&TEC ED1 @2 BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G COMP PROG 7 G MATH 1	
8601000	COMMUNICATIONS TECH Communications Technology	9-12	/				
8601010	COMMUNICATION TECH 1 Communications Technology 1/Level 3	9-12	/Y	CT	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	CT	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	CT	1.0	COMM ART @7 7 G GRAPH ART@4 PRINTING @7 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		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
8600900	ELECTRONICS TECH Electronics Technology	9-12	/			
8600910	ELECTRONICS TECH 1 Electronics Technology 1/Level 3	9-12	/Y	CT	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	CT	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	CT	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	CT	1.0	ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2
8600520	PRIN OF ENGINEERING Principles of Engineering/Level 3	9-12	/Y	CT	1.0	ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2
8600530	DIGITAL ELECTRONICS Digital Electronics/Level 3	9-12	/Y	CT	1.0	ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2
8600560	COMP INTG MAN Computer Integrated Manufacturing/ Level 3	9-12	/Y	CT	1.0	ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2
8600590	CIV ENGR & ARCH Civil Engineering and Architecture/ Level 3	9-12	/Y	CT	1.0	ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2
8600620	AEROSPACE ENGINEER Aerospace Engineering/Level 3	9-12	/Y	CT	1.0	ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2
8600630	BIOTECH ENGINEERING Biotechnical Engineering/Level 3	9-12	/Y	CT	1.0	ENG 7 G PLTW PTE 7 G ENG&TEC ED1 @2
8600650	ENGR DESIGN & DEV Engineering Design and Development/ Level 3	9-12	/Y	CT	1.0	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	CT	1.0	SEAMANSHIP7 G ENG&TEC ED1 @2
8404120	MARITIME 2 Maritime 2/Level 3	9-12	/Y	CT	1.0	SEAMANSHIP7 G ENG&TEC ED1 @2
8404130	MARITIME 3 Maritime 3/Level 3	9-12	/Y	CT	1.0	SEAMANSHIP7 G ENG&TEC ED1 @2



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

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8404140	MARITIME 4 Maritime 4/Level 3	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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
8604000	PRODUCTION TECH Production Technology	9-12	/		
8600540	PRODUCTION TECH 1 Production Technology 1/Level 2	9-12	/Y CT	1.0	ENG 7 G ENG&TEC ED1 @2 AUTO PROD 7 G ENG TEC 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		
8600640	PRODUCTION TECH 2 Production Technology 2/Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	1.0	DRAFTING @7 7 G ENG 7 G GRAPH ART@4 ENG&TEC ED1 @2		
8401020	TECHNICAL DESIGN 2 Technical Design 2/Level 3	9-12	/Y CT	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
8401030	TECHNICAL DESIGN 3 Technical Design 3/Level 3	9-12	/Y CT	1.0	DRAFTING @7 7 G ENG 7 G GRAPH ART@4 ENG&TEC ED1 @2
9400900	TECHNOLOGICAL SYS Technological Systems	9-12	/		
8600410	COMMUNICATION SYSTEM Communications Systems/Level 2	9-12	/S CT	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 Transportation Systems/ Level 2	9-12	/S CT	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 CT	0.5	DIESEL ME@7 7 G ENG&TEC ED1 @2 AUTO PROD 7 G ENG 7 G
8600440	TECH DESIGN SYSTEMS Technical Design Systems/Level 2	9-12	/S CT	0.5	ENG TEC 7 G ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G
8600450	ELECTRONICS SYSTEMS Electronics Systems/Level 2	9-12	/S CT	0.5	GRAPH ART@4 DRAFTING @7 7 G ELECTRONI@7 7 G ENG&TEC ED1 @2 TEC ELEC @7 7 G ENG 7 G ELECTRICA@7 7 G
8600460	ENGINEERING SYSTEMS Engineering Systems/Level 2	9-12	/S CT	0.5	ENG TEC 7 G ENG&TEC ED1 @2 ENG TEC 7 G ENG 7 G
8600470	APPLIED TECH SYSS Applied Technology Systems/Level 2	9-12	/S CT	0.5	ENG&TEC ED1 @2 ENG TEC 7 G ENG 7 G
8600480	CONSTRUCT TECH SYS Construction Technology systems/ Level 2	9-12	/S CT	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

## 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	CAREER AND TECHNICAL EDUCATION	
						PROGRAM/COURSE TITLE / COURSE LEVEL	GRADUATION REQUIREMENTS
9400910	AEROSPACE TECH SYS Aerospace Technology Systems/Level 2	9-12	/S CT	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 CT	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 CT	1.0	ENG 7 G ENG&TEC ED1 @2		
8600610	TECH STUDIES 2 Technology Studies 2/Level 2	9-12	/Y CT	1.0	ENG 7 G ENG&TEC ED1 @2		
8601710	TECH STUDIES 3 Technology Studies 3/Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	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		
8601800	WORK-BASED EXP Work-Based Experience/Level 2	9-12	/M CT	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		
						GENERAL PROGRAMS	
8600042	EX OF PDCT TECH & CP Exploration of Production Technology and Career Planning	6-8	/S			BLDG CONST @7 7 G CARPENTRY @7 7 G TEC CONSTR @7 7 G AUTO PROD 7 G METAL WORK 7 G	BLDG MAINT @7 7 G ENG 7 G ENG&TEC ED 1 @2 ENG TEC 7 G PLTW PTE 7 G
8600220	EXPLO TECH & CAR PLA Exploring Technology and Career Planning	6-8	/S			ENG 7 G ENG TEC 7 G	ENG&TEC ED 1 @2 PLTW PTE 7 G
8600000	INTEGRATED TECH ST Integrated Technology Studies	6-8	/				
8600010	INTRD TO TECH Introduction to Technology	6-8	/S			ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G PLTW PTE 7 G MG MATH C MG GEN SCI C	
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 MG MATH C MG GEN SCI C	

## 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
8600240	EX OF TRANS TECH Exploration of Transportation Technology	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
8600250	EX POWER & ENGR TECH Exploration of Power and Energy Technology	6-8	/S		ENG&TEC ED1 @2 TRANSPORT 7 G AUTO MECH@7 7 G GASENG RP@7 7 G DIESEL ME@7 7 G ENG 7 G TEC MECH 7 G AUTO IND @7 %7 %G
8600060	EX ENGINEERING TECH Exploration of Engineering Technology	6-8	/S		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
8600090	EX TECH DSGN TECH Exploration of Technical Design Technology	6-8	/S		ENG&TEC ED1 @2 ENG 7 G DRAFTING @7 7 G GRAPH ART@4 ENG TEC 7 G PLTW PTE 7 G
8600091	EX ELECTRONICS TECH Exploration of Electronics Technology	6-8	/S		ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G ELECTRONI@7 7 G TEC ELEC @7 7 G ELECTRICA@7 7 G PLTW PTE 7 G
8600092	EX MARITIME TECH Exploration of Maritime Technology	6-8	/S		ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G SEAMANSHIP7 G
8600093	EX LOG &SUPPLY CHAIN Exploration of Logistics and Supply Chain Technology	6-8	/S		ENG&TEC ED1 @2 ENG 7 G ENG TEC 7 G LOG TECH 7 G 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 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	COURSES MEETING 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 DIESEL 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 SEAMANSHIP7 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



## 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
-----   FINANCE CAREER CLUSTER   -----					
----- FINANCIAL & INVESTMENT PLANNING CAREER PATH (FNPA) -----					
^8815100	FINANCE Finance	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2 OR	9-12	/Y CT	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 CT	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 CT	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 OR	9-12	/Y CT	1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT 7 G
2102360	AP MICROECON Advanced Placement Microeconomics AND		/S EC	0.5	ECONOMICS@1 SOCIAL SCI1 HISTORY @1
2102370	AP MACROECON Advanced Placement Macroeconomics		/S EC	0.5	ECONOMICS@1 SOCIAL SCI1 HISTORY @1
8815130	FINANCIAL INTERNSHIP Financial Internship/Level 2 OR	9-12	/Y CT	1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT 7 G
8501420	Finance OJT Finance Cooperative Education - OJT	9-12	/M CT	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

## 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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	CAREER AND TECHNICAL EDUCATION	
						CREDIT	CERTIFICATION
8815120	PERSONAL FINANCE Personal Finance/Level 3	9-12	/Y PL	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 CT	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 CT	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 CT	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 CT	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 OR	9-12	/Y CT	1.0	BANK FINC@7 7 G BUS ED 1 @2 MKTG 1 @2 MKTG MGMT 7 G		
8501420	Finance OJT Finance Cooperative Education - OJT	9-12	/M CT	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		
8815170	BUS IN A GLOBAL ECON Business in a Global Economy/Level 3	9-12	/Y CT	1.0	BANK FINC@7 7 G 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		
F100300	LOAN ORIG-MORTGAGE Loan Originator-Mortgage	30,31	/				
REE0092	MORTGAGE LOAN ORIG Mortgage Loan Originator	30,31	/S	CT	0.5	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	CT	0.5	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	CT	0.5	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	CT	0.5	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	CT	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	CT	0.5	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	/S	CT	0.5	INSURANCE 7 G	
----- GENERAL PROGRAMS -----							
8501420	Finance OJT Finance Cooperative Education - OJT	9-12	/M	CT	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	CT	MULTIPLE	ANY BUSINESS ED G BUS ED 1 @2 MKTG 1 @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	CAREER AND TECHNICAL EDUCATION			
					CERTIFICATION			
8540400	FUND OF FINANCE Fundamentals of Finance	6-8	/S		BUS ED TC COOP ED	1 @2 @7	MKTG VOE	1 @2 @7
8540350	INTRO TO FINANCE Introduction to Finance	6-8	/S		BUS ED TC COOP ED	1 @2 @7	MKTG VOE	1 @2 @7
8540360	INTRO TO FINANCE/CP Introduction to Finance and Career Planning	6-8	/S		BUS ED TC COOP ED	1 @2 @7	MKTG VOE	1 @2 @7
8500120	PERS FINANCIAL LIT Personal Financial Literacy/Level 2	9-12	/S	PL	0.5 BUS ED MKTG BANK FINC@7 BOOKKEEPI@4	1 @2 1 @2 7 G @7 7 G	FAM CON SCI MKTG MGMT 7 ACCTING @7	1 G 7 G

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APPRENTICESHIP PROGRAMS

F50010R	TELLER - APPR Teller (Financial) (Personal Banking Representative (Bank Teller)) - Apprenticeship	30,31	/					
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|GOVERNMENT & PUBLIC ADMINISTRATION CAREER CLUSTER|  
-----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	CT	1.0	ANY CTE FIELD OR COVERAGE		
ETC0004	PUB WORKS CADET 2 Public Works Cadet 2	30,31	/Y	CT	1.0	ANY CTE FIELD OR COVERAGE		
ETC0005	PUB WORKS CADET 3 Public Works Cadet 3	30,31	/Y	CT	1.0	ANY CTE FIELD OR COVERAGE		
8607100	CAREERS IN PUB SVC Careers in Public Service	9-12	/					
8607110	PUB SVC LEADERSHIP Public Service Leadership, Level 3	9-12	/S	CT	0.5	SOCIAL SCI ENGLISH BUS ED	1 1 1	
8607120	PUB SVC COMM Public Service Communication, Level 3	9-12	/S	CT	0.5	SOCIAL SCI ENGLISH BUS ED	1 1 1	
8607130	PROJ MGMT EXP LRNG Project Management and Experiential Learning in Public Service, Level 3	9-12	/S	CT	0.5	SOCIAL SCI ENGLISH BUS ED	1 1 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 GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION		
8607140	PUB SVC RESEARCH Public Service Research, Level 3 OR	9-12	/S CT	0.5	SOCIAL SCI ENGLISH BUS ED	1 1 1	
1700510	AP CAPSTONE RESEARCH Advanced Placement Capstone Research	9-12	3/Y	1.0	ANY ACADEMIC	COVERAGE	
----- PLANNING CAREER PATH (GVPD) -----							
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 CT	1.0	FIRE FIGHT LAW ENF PUB ADM PUB SERV	7 G 7 G 7 G 7 G	
8602020	EMER PLAN & RESP 2 Emergency Planning and Response 2/ Level 3	9-12	/Y CT	1.0	FIRE FIGHT LAW ENF PUB ADM PUB SERV	7 G 7 G 7 G 7 G	
8602030	EMER PLAN & RESP 3 Emergency Planning and Response 3/ Level 3	9-12	/Y CT	1.0	FIRE FIGHT LAW ENF PUB ADM PUB SERV	7 G 7 G 7 G 7 G	
8602040	EMER PLAN & RESP 4 Emergency Planning and Response 4/ Level 3	9-12	/Y CT	1.0	FIRE FIGHT LAW ENF PUB ADM PUB SERV	7 G 7 G 7 G 7 G	
----- SUPPLEMENTAL PROGRAMS -----							
8900500	FUND OF GOV & PS Fundamentals of Government and Public Public Administration	6-8	/S		ANY PUB SERV TEC CONSTR	OCC ED G @7 7 G	
8601420	GOV & PA OJT Government and Public Administration Cooperative Education OJT	9-12	/M CT MULTIPLE		ANY PUB SERV OCC ED G		
8603000	GOV & PA DIR STUDY Government and Public Administration Directed Study	11-12	/M CT MULTIPLE		ANY PUB SERV OCC ED G		
8900210	INTRO GOV & PS Introduction to Government and Public Administration	6-8	/S		ANY PUB SERV TEC CONSTR	OCC ED G @7 7 G	
8900360	INTRO GOV & PS/CP Introduction to Government and Public Administration/Career Planning	6-8	/S		ANY PUB SERV TEC CONSTR	OCC ED G @7 7 G	
8900330	PRIN PUB SERV Principles of Public Service/Level 2	9-12	/Y CT	1.0	ANY PUB SERV EMT	OCC ED G @7 7 G	PARAMEDIC @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
-----  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
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y CT	1.0	ANY HEALTH OCCUP G
8417131	ALLIED HEALTH ASSIS3 Allied Health Assisting 3/Level 2	10-12	/Y CT	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 CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
STS0019	CEN STER MAT MGMT Central Sterile Service Materials Management	30,31	/Y CT	1.0	CENTSERVTE7 G OPR RN 7 G SURG TECH 7 G
STS0013	CENT STER PROC TECH Central Sterile Processing Technician	30,31	/Y CT	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 CT	1.0	ANY HEALTH OCCUP G
8417141	DENTAL AIDE 3 Dental Aide 3/Level 3	10-12	/Y CT	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 CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
DEA0726	DENT INFECT CTRL AST Dental Infection Control Assistant	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
DEA0727	DENTAL ASSISTING 1 Dental Assisting 1	30,31	/Y CT	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
DEA0728	DENTAL ASSISTING 2 Dental Assisting 2	30,31	/Y CT	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
H170113	DEN ASST TECH&MGATD Dental Assisting Technology and Management - ATD	30,31	/		

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

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DEA0725	INTRO TO DENTAL ASST Introduction to Dental Assisting	30,31	/S CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE			
DEA0726	DENT INFECT CTRL AST Dental Infection Control Assistant	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE			
DEA0727	DENTAL ASSISTING 1 Dental Assisting 1	30,31	/Y CT	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE			
DEA0728	DENTAL ASSISTING 2 Dental Assisting 2	30,31	/Y CT	3.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE			
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 CT	1.0	ANY HEALTH OCCUP G			
8417151	DEN LAB ASSIST 3 Dental Laboratory Assisting 3/Level 2	10-12	/Y CT	1.0	DEN LABTEC7 G			
8417152	DEN LAB ASSIST 4 Dental Laboratory Assisting 4/Level 2	10-12	/Y CT	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	/S CT	0.5	DEN LABTEC7 G			
DTE0433	DENTURE TECHNICIAN 1 Denture Technician 1	30,31	/Y CT	2.0	DEN LABTEC7 G			
DTE0434	DENTURE TECHNICIAN 2 Denture Technician 2	30,31	/Y CT	2.0	DEN LABTEC7 G			
DTE0435	ADV DENTURE TECH Advanced Denture Technician	30,31	/Y CT	2.0	DEN LABTEC7 G			
DTE0441	CROWN & BRIDGE TECH Crown and Bridge Technician	30,31	/Y CT	1.5	DEN LABTEC7 G			
DTE0461	CERAMIC TECHNICIAN Ceramic Technician	30,31	/Y CT	1.5	DEN LABTEC7 G			
DTE0451	IMPLANT TECHNICIAN Implant, Attachment & Hybrid Restoration Technician	30,31	/Y CT	1.5	DEN LABTEC7 G			
DTE0481	MASTER DENTL LAB TEC Master Dental Laboratory Technician	30,31	/Y CT	1.0	DEN LABTEC7 G			
8417170	EMERG MED RESPONDER Emergency Medical Responder	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 CT	1.0	ANY HEALTH OCCUP G			

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

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8417171	EMERG MED RESP 3 Emergency Medical Responder 3/Level 3	10-12	/Y CT	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 CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE			
EMS0050	EMERG MED RESP Emergency Medical Responder	30,31	/Y CT	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 CT	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 OR	9-12	/Y EQ	1.0	ANY HEALTH OCCUP G	BIOLOGY	1	
2000350	ANAT PHYSIO Anatomy and Physiology OR	9-12	2/Y EQ	1.0	SCIENCE @4 HEALTH 6	BIOLOGY HEALTH ED	1 @4	
2000360	ANAT PHYSIO HON Anatomy and Physiology Honors	9-12	3/Y EQ	1.0	SCIENCE @4 HEALTH 6	BIOLOGY HEALTH ED	1 @4	
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y CT	1.0	ANY HEALTH OCCUP G	BIOLOGY	1	
8417120	EXERCISE SCIENCE Exercise Science/Level 3	9-12	/Y CT	1.0	PH THER TEC @7 G HEALTH FIT SPEC 7 G	BIOLOGY MED PROF 7 G	1 G	
H170207	HEMODIALYSIS TECH Hemodialysis Technician	30,31	/					
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE			
MLT0368	DIALYSIS TECH 1 Dialysis Technician 1	30,31	/Y CT	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 CT	1.5	HEMO TEC 7 G PRAC NURS@7 %7 %G REG NURSE 7 G			
8417190	HOME HEALTH AIDE Home Health Aide	9-12	/					



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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 CT	1.0	ANY HEALTH OCCUP G
8417191	HME HEALTH AIDE 3 Home Health Aide 3/Level 2	10-12	/S CT	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 CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0330	HOME HEALTH AIDE Home Health Aide	30,31	/S CT	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 CT	2.5	MASSAGE TH7 G
MSS0209	MASSAGE THERAPY 2 Massage Therapy 2	30,31	/Y CT	2.5	MASSAGE TH7 G
H170515	MEDICAL ASSISTING Medical Assisting	30,31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
MEA0002	INTRO TO MED ASSIST Introduction to Medical Assisting	30,31	/Y CT	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 CT	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 Phlebotomist, MA	30,31	/S CT	0.5	MED ASST 7 G PRAC NURS@7 %7 %G PHLEB 7 G LAB TECH @7 7 G REG NURSE 7 G
MEA0543	EKG AIDE, MA EKG Aide, MA	30,31	/S CT	0.5	MED ASST 7 G PRAC NURS@7 %7 %G REG NURSE 7 G LAB TECH @7 7 G

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MEA0581	CLINICAL ASSISTING Clinical Assisting	30,31	/Y CT	1.5	MED ASST 7 G PRAC NURS@7 %7 %G REG NURSE 7 G LAB TECH @7 7 G		
MEA0530	PHARM/MEDICAL ASSIST Pharmacology for Medical Assisting	30,31	/S CT	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 CT	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 CT	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 CT	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 CT	1.0	ANY HEALTH OCCUP G		
8417201	MEDICAL LAB ASSIST 3 Medical Laboratory Assisting 3/ Level 3	10-12	/Y CT	1.0	LAB TECH @7 7 G		
8417202	MEDICAL LAB ASSIST 4 Medical Laboratory Assisting 4/ Level 3	10-12	/Y CT	1.0	LAB TECH @7 7 G		
8417210	NURSIUNG ASSISTANT Nursing Assistant (Acute and Long Term Care)	9-12	/				
8417100	HEALTH SCI A & P Health Science Anatomy & Physiology /Level 3 OR	9-12	/Y EQ	1.0	ANY HEALTH OCCUP G	BIOLOGY	1
2000350	ANAT PHYSIO Anatomy and Physiology OR	9-12	2/Y EQ	1.0	SCIENCE @4 HEALTH 6	BIOLOGY HEALTH ED @4	1
2000360	ANAT PHYSIO HON Anatomy and Physiology Honors	9-12	3/Y EQ	1.0	SCIENCE @4 HEALTH 6	BIOLOGY HEALTH ED @4	1
8417110	HEALTH SCIENCE FOUND Health Science Foundations/Level 3	9-12	/Y CT	1.0	ANY HEALTH OCCUP G	BIOLOGY	1
8417211	NURSE ASSISTING 3 Nursing Assisting 3/Level 3	10-12	/Y CT	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		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
H170690	NURSING ASST (ART.) Nursing Assistant (Articulated)	30,31	/			
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30,31	/Y	CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and orderly (Articulated)	30,31	/S	CT	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	CT	1.0	REG NURSE 7 G PRAC NURS@7 %7 %G LPN 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
✕H170608	PRO NURSING (LPN-RN) Professional Nursing (LPN-RN)	30,31	/			
✕NSG0080	NURSING TRANSITIONS Nursing Transitions	30,31	/S	CT	0.5	REG NURSE 7 G
✕NSG0081	CONC GERIA & PHARMA Concepts of Geriatrics and Pharmacology in Nursing	30,31	/S	CT	0.5	REG NURSE 7 G
✕NSG0082	PSYCHIATRIC NURSING Psychiatric Nursing	30,31	/S	CT	0.5	REG NURSE 7 G
✕NSG0083	MEDICAL NURSING Medical Nursing	30,31	/S	CT	0.5	REG NURSE 7 G
✕NSG0084	SURGICAL NURSING Surgical Nursing	30,31	/S	CT	0.5	REG NURSE 7 G
✕NSG0085	PEDIATRIC NURSING Pediatric Nursing	30,31	/S	CT	0.5	REG NURSE 7 G
✕NSG0086	OBSTETRIC NURSING Obstetric Nursing	30,31	/S	CT	0.5	REG NURSE 7 G
✕NSG0087	PROF NURSING Professional Nursing	30,31	/S	CT	0.5	REG NURSE 7 G
✕NSG0089	SR PRACTICUM INTENS Senior Practicum Intensive	30,31	/S	CT	0.5	REG NURSE 7 G
H170705	OPTOMETRIC ASSIST Optometric Assisting	30,31	/			
OPT0720	FOUND VISION CARE Foundations of Vision Care	30,31	/S	CT	0.5	OPTOM ASST7 G TEC OPTICS7 G
OPT0721	OPTOMETRIC ASST 1 Optometric Assistant 1	30,31	/Y	CT	2.0	OPTOM ASST7 G TEC OPTICS7 G
OPT0722	OPTOMETRIC ASST 2 Optometric Assistant 2	30,31	/Y	CT	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	CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PHT0090	ORTHOPEDIC TECH 1 Orthopedic Technologist 1	30,31	/Y	CT	2.0	ORTHO TEC 7 G RN ORTHO 7 G

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PHT0091	ORTHOPEDIC TECH 2 Orthopedic Technologist 2	30,31	/Y CT	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 CT	1.5	PARAMEDIC@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G
EMS0211	PARAMEDIC 2 Paramedic 2	30,31	/Y CT	2.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PARAMEDIC@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G
EMS0212	PARAMEDIC 3 Paramedic 3	30,31	/Y CT	2.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PARAMEDIC@7 7 G PRAC NURS@7 %7 %G REG NURSE 7 G
H170692	PATIENT CARE ASSIST Patient Care Assistant	30,31	/		SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	30,31	/S CT	0.5	REG NURSE 7 G PRAC NURS@7 %7 %G LPN 7 G
HCP0332	ADV HOME HEALTH AIDE Advanced Home Health Aide	30,31	/S CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PRAC NURS@7 %7 %G REG NURSE 7 G
HCP0020	PATIENT CARE ASST Patient Care Assistant	30,31	/S CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PRAC NURS@7 %7 %G REG NURSE 7 G
H170694	PATIENT CARE TECH Patient Care Technician	30,31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	30,31	/S CT	0.5	REG NURSE 7 G PRAC NURS@7 %7 %G LPN 7 G
HCP0332	ADV HOME HEALTH AIDE Advanced Home Health Aide	30,31	/S CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PRAC NURS@7 %7 %G REG NURSE 7 G
HCP0020	PATIENT CARE ASST Patient Care Assistant	30,31	/S CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PRAC NURS@7 %7 %G REG NURSE 7 G
HSC0016	ALLIED HEALTH ASST Allied Health Assistant	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PRAC NURS@7 %7 %G REG NURSE 7 G
MEA0580	ADV ALL HEALTH ASST Advanced Allied Health Assistant	30,31	/S CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE PRAC NURS@7 %7 %G REG NURSE 7 G

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PRN0094	PATIENT CARE TECH Patient Care Technician	30,31	/S CT	0.5	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 CT	1.0	PHARMACY 7 G
8418220	PHARMACY TECH 2 Pharmacy Technician 2/Level 3	9-12	/Y CT	1.0	PHARMACY 7 G
8418230	PHARMACY TECH 3 Pharmacy Technician 3/Level 3	9-12	/Y CT	1.0	PHARMACY 7 G
8418240	PHARMACY TECH 4 Pharmacy Technician 4/Level 3	9-12	/Y CT	1.0	PHARMACY 7 G
8418250	PHARMACY TECH 5 Pharmacy Technician 5/Level 3	9-12	/Y CT	1.0	PHARMACY 7 G
8418260	PHARMACY TECH 6 Pharmacy Technician 6/Level 3	9-12	/Y CT	1.0	PHARMACY 7 G
8418270	PHARMACY TECH 7 Pharmacy Technician 7/Level 3	9-12	/Y CT	1.0	PHARMACY 7 G
H170500	PHARMACY TECHNICIAN Pharmacy Technician	30,31	/		
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0084	PHARMACY TECH 1 Pharmacy Technician 1	30,31	/Y CT	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0085	PHARMACY TECH 2 Pharmacy Technician 2	30,31	/Y CT	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0086	PHARMACY TECH 3 Pharmacy Technician 3	30,31	/Y CT	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 CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0084	PHARMACY TECH 1 Pharmacy Technician 1	30,31	/Y CT	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0085	PHARMACY TECH 2 Pharmacy Technician 2	30,31	/Y CT	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
PTN0086	PHARMACY TECH 3 Pharmacy Technician 3	30,31	/Y CT	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 CT	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 CT	1.0	REG NURSE 7 G LPN 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE

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8418430	PRAC NURSE FOUND 2A Practical Nursing Foundations 2A/ Level 3	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	1.0	REG NURSE 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE					
H170607	PRACTICAL NURSING Practical Nursing	30,31	/							
PRN0098	PRAC NURSE FOUND 1 Practical Nursing Foundations 1	30,31	/Y CT	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 Nursing Foundations 2	30,31	/Y CT	2.0	REG NURSE 7 G PRAC NURS@7 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE					
PRN0290	MED SURGICAL NURSE 1 Medical Surgical Nursing 1	30,31	/Y CT	2.0	REG NURSE 7 G PRAC NURS@7 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE					
PRN0291	MED SURGICAL NURSE 2 Medical Surgical Nursing 2	30,31	/Y CT	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 CT	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 CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE					
HCP0121	NURSE AIDE & ORDERLY Nurse Aide and Orderly (Articulated)	30,31	/S CT	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 CT	2.0	REG NURSE 7 G					
H170211	SURGICAL TECHNOLOGY Surgical Technology	30,31	/							
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30,31	/Y CT	1.0	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
STS0015	CENTRAL SUPPLY TECH Central Supply Technician	30,31	/Y CT	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 CT	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 CT	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
STS0012	SURGICAL TECH 3 Surgical Technologist 3	30,31	/Y CT	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 CT	1.0	ANY HEALTH OCCUP G
8417231	VISION CARE ASSIST 3 Vision Care Assisting 3/Level 3	10-12	/Y CT	1.0	TEC OPTICS7 G
8417232	VISION CARE ASSIST 4 Vision Care Assisting 4/Level 3	10-12	/Y CT	1.0	TEC OPTICS7 G
8701000	BEHAVIOR HEALTH TECH Behavioral Health 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 CT	1.0	ANY HEALTH OCCUP G
8701010	BEHAVIORAL HLTH TECH3 Behavioral Health Technician 3, Level 3	9-12	/Y CT	1.0	MENT HEAL 7 G REG NURSE 7 G PARAMEDIC @7 7 G MED ASST 7 G MED PROF 7 G EMT 7 G LPN 7 G
DIAGNOSTIC SERVICES CAREER PATH (HLPB)					
8427100	ELECTROCARDIO TECH Electrocardiograph Technician	9-12	/		

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

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			GRADUATION REQUIREMENTS			
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	CT	1.0	ANY HEALTH OCCUP G
8427130	ELECTROCARDIO TECH 3 Electrocardiograph Technician 3/ Level 3	9-12	/Y	CT	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	CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
MEA0540	EKG AIDE EKG Aide	30,31	/S	CT	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
MEA0541	EKG TECHNICIAN EKG Technician	30,31	/Y	CT	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	CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
MEA0520	PHLEBOTOMIST Phlebotomist	30,31	/S	CT	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	CT	0.5	
MLT0220	URIN & BODY FLUIDS Urinalysis and Body Fluids	30,31	/Y	CT	1.0	
MLT0335	HEMATOLOGY & HEMOST Hematology and Hemostasis	30,31	/Y	CT	1.5	
MLT0505	IMMUNOLOGY Immunology	30,31	/Y	CT	1.0	
MLT0640	CLINICAL CHEMISTRY Clinical Chemistry	30,31	/Y	CT	1.5	
MLT0520	IMMUNOHEMATOLOGY Immunohematology	30,31	/Y	CT	1.5	



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

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MLT0450	MICROB & PARASIT Microbiology and Parasitology	30,31	/Y CT	1.5				
H170306	MEDICAL LAB ASSIST Medical Laboratory Assisting	30,31	/					
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE			
MEA0520	PHLEBOTOMIST Phlebotomist	30,31	/S CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE			
MEA0560	MEDICAL LAB ASST Medical Lab Assistant	30,31	/Y CT	2.0	LAB TECH @7 7 G			
H170302	PHLEBOTOMY Phlebotomy	30,31	/					
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE			
MEA0520	PHLEBOTOMIST Phlebotomist	30,31	/S CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE	PHLEB 7 G		
W170210	RADIOLOGIC TECH Radiologic Technology	30,31	/					
RTE0004	FUNDS/RADIOLOGIC TEC Fundamentals of Radiologic Technology	30,31	/S CT	0.5	TEC X RAY@7 7 G			
RTE0410	RADIO IMAGE/EXP 1 Radiologic Imaging & Exposure 1	30,31	/S CT	0.5	TEC X RAY@7 7 G			
RTE0505	RADIO PROCEDURES 1 Radiologic Procedures 1	30,31	/S CT	0.5	TEC X RAY@7 7 G			
RTE0809	CLINICAL EDU 1 Clinical Education 1	30,31	/Y CT	2.0	TEC X RAY@7 7 G			
RTE0450	RADIO IMAGE/EXP 2 Radiologic Imaging & Exposure 2	30,31	/S CT	0.5	TEC X RAY@7 7 G			
RTE0506	RADIO PROCEDURES 2 Radiologic Procedures 2	30,31	/S CT	0.5	TEC X RAY@7 7 G			
RTE0507	RADIO PROCEDURES 3 Radiologic Procedures 3	30,31	/S CT	0.5	TEC X RAY@7 7 G			
RTE0819	CLINICAL EDU 2 Clinical Education 2	30,31	/Y CT	3.0	TEC X RAY@7 7 G			
RTE0015	ADV MODALITY IMAGE Advanced Modality Imaging	30,31	/S CT	0.5	TEC X RAY@7 7 G			
RTE0780	RADIO PATH & RESEARCH Radiologic Pathology & Directed Research	30,31	/S CT	0.5	TEC X RAY@7 7 G			
RTE0610	RADIATION PHYSICS Radiation Physics	30,31	/S CT	0.5	TEC X RAY@7 7 G			
RTE0829	CLINICAL EDU 3 Clinical Education 3	30,31	/Y CT	1.0	TEC X RAY@7 7 G			
RTE0839	ADV CLINICAL EDU 4 Advanced Clinical Education 4	30,31	/Y CT	2.0	TEC X RAY@7 7 G			
RTE0380	RADIATION BIO & PRO Radiation Biology & Radiation Protection	30,31	/S CT	0.5	TEC X RAY@7 7 G			
RTE0939	RADIOGRAPHY SEMINAR Radiography Seminar	30,31	/Y CT	1.0	TEC X RAY@7 7 G			

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

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RTE0849	ADV CLINICAL EDU 5 Advanced Clinical Education 5	30,31	/Y CT	2.0	TEC X RAY@7 7 G		
----- HEALTH INFORMATICS CAREER PATH (HLPC) -----							
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 CT	1.0	ANY HEALTH OCCUP G		
8417281	HEALTH UNIT COOR 1 Health Unit Coordinator 1/Level 2	9-12	/Y CT	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 CT	1.0	REG NURSE 7 G MED RECTEC7 G PRAC NURS@7 %7 %G		
H170107	HEALTH UNIT/MONITOR Health Unit Coordinator/Monitor Technician	30,31	/				
HSC0003	BASIC HEALTHCARE WKR Basic Healthcare Worker	30,31	/Y CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
HIM0076	HEALTH UNIT CLERK Health Unit Clerk	30,31	/Y CT	2.5	MED RECTEC7 G REG NURSE 7 G		
HIM0090	MONITOR TECHNICIAN Monitor Technician	30,31	/S CT	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 CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
HIM0091	MED CODER/BILLER 1 Medical Coder/Biller 1	30,31	/Y CT	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
HIM0092	MED CODER/BILLER 2 Medical Coder/Biller 2	30,31	/Y CT	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
HIM0093	MED CODER/BILLER 3 Medical Coder/Biller 3	30,31	/Y CT	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 CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
HIM0091	MED CODER/BILLER 1 Medical Coder/Biller 1	30,31	/Y CT	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
HIM0092	MED CODER/BILLER 2 Medical Coder/Biller 2	30,31	/Y CT	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
HIM0093	MED CODER/BILLER 3 Medical Coder/Biller 3	30,31	/Y CT	2.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		

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

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						PROGRAM/COURSE TITLE / COURSE LEVEL	GRADUATION REQUIREMENTS
----- BIOTECHNOLOGY RESEARCH & DEVELOPMENT CAREER PATH (HLPE) -----							
8708100	BIOMEDICAL SCIENCES Biomedical Sciences	9-12	/				
8708110	PRIN BIOMED SCIENCES Principles of the Biomedical Sciences /Level 3	9-12	/Y	EQ	1.0	BIOLOGY 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	BIOLOGY 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	BIOLOGY 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	CT	1.0	BIOLOGY 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 -----							
8400310	EXP HEALTH SCI PROF Exploration of Health Science Professions	6-8	/S			ANY HEALTH OCCUP G FAM CON SCI 1 HEALTH 6 ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER	
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 ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER	
8400410	HSE COOP - OJT Health Science Cooperative Education - OJT	10-12	/M	CT	MULTIPLE	ANY HEALTH OCCUP G	
8400100	HSE DIR STUDY Health Science Directed Study	10-12	/M	CT	MULTIPLE	ANY HEALTH OCCUP G	
8709350	INTRO HS CAREER PATH Introduction to Health Science Career Pathways	6-8	/S			ANY HEALTH OCCUP G	

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

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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	CT	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	ORIENT NUR Orientation to Nursing	6-8	/S		PRAC NURSE @7 %7 %G LPN 7 G REG NURSE 7 G
----- APPRENTICESHIP PROGRAMS -----					
H17011R	DENTAL ASST - APPR Dental Assistant - Apprenticeship	30,31	/		
H17021R	SURGICAL TECH - APPR Surgical Technologist - Apprenticeship	30,31	/		
H17052R	MED REC SPEC - APPR Medical Records Specialist - Apprenticeship	30,31	/		
H17060R	LTC NURSE MGMT-APPR Long Term Care Nurse Management - Apprenticeship	30,31	/		
W17021R	EMT - APPR Emergency Medical Technician - Apprenticeship	30,31	/		
H18010R	COUNSELOR - APPR Counselor - Apprenticeship	30,31	/		
H17061R	LPN - APPR Licensed Practical Nurse - Apprenticeship	30,31	/		
H17062R	CNA - APPR Certified Nursing Assistant - Apprenticeship	30,31	/		
H17022R	PARAMEDIC - APPR Paramedic - Apprenticeship	30,31	/		
H17023R	CENT STER PROC-APPR Central Sterile Processing Technician - Apprenticeship	30,31	/		

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			GRADUATION REQUIREMENTS			
H30010R	CT TECH - APPR Computed Tomography (CT) Technician - Apprenticeship	30,31	/			
H30020R	MRI TECH - APPR Magnetic Resonance Imaging (MRI) Technologist - Apprenticeship	30,31	/			
H17010R	RN - APPR Registered Nurse - Apprenticeship	30,31	/			
8499990	HEALTH OCCS ED TRAN Health Occupations Education Transfer	9-12	/		NA	
H000000	HEALTH OCCS ED TRAN Health Occupations Education Transfer	30,31	/		NA	

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|HOSPITALITY & TOURISM CAREER CLUSTER|  
-----RESTAURANTS AND FOOD & BEVERAGE SERVICES CAREER PATH (HTPA)  
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N100600	BAKING & PASTRY ARTS Baking and Pastry Arts	30,31	/			
FSS0090	PASTRY COOK/BAKER Pastry Cook/Baker	30,31	/Y	CT	2.0	CULINARY 7 G FAM CON SC1
FSS0091	PASTRY CHEF/HD BAKER Pastry Chef/Head Baker	30,31	/Y	CT	2.0	CULINARY 7 G FAM CON SC1
8800500	CULINARY ARTS Culinary Arts	9-12	/			
8800510	CULINARY ARTS 1 Culinary Arts 1/Level 2	9-12	/Y	CT	1.0	CULINARY 7 G FAM CON SC1
8800520	CULINARY ARTS 2 Culinary Arts 2/Level 2	9-12	/Y	CT	1.0	CULINARY 7 G FAM CON SC1
8800530	CULINARY ARTS 3 Culinary Arts 3/Level 3	9-12	/Y	CT	1.0	CULINARY 7 G FAM CON SC1
8800540	CULINARY ARTS 4(1) Culinary Arts 4(Track 1)/Level 3	9-12	/Y	CT	1.0	CULINARY 7 G FAM CON SC1
8800550	CULINARY ARTS 4(2) Culinary Arts 4(Track 2)/Level 3	9-12	/Y	CT	1.0	CULINARY 7 G FAM CON SC1
8800560	CULINARY ARTS 4(3) Culinary Arts 4(Track 3)/Level 3	9-12	/Y	CT	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	CT	2.0	CULINARY 7 G FAM CON SC1
HMV0102	COOKING METHODS Cooking Methods and Techniques	30,31	/Y	CT	2.0	CULINARY 7 G FAM CON SC1

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N100500	PROF CULINARY ARTS Professional Culinary Arts & Hospitality	30,31	/		
HMV0100	FOOD PREPARATION Food Preparation	30,31	/Y	CT	2.0 CULINARY 7 G FAM CON SC1
HMV0170	COOK - RESTAURANT Cook - Restaurant	30,31	/Y	CT	2.0 CULINARY 7 G FAM CON SC1
HMV0171	CHEF/HEAD COOK Chef/Head Cook	30,31	/Y	CT	2.0 CULINARY 7 G FAM CON SC1
HMV0126	FOOD SERVICE MGMT Food Service Management	30,31	/Y	CT	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	CT	2.0 CULINARY 7 G FAM CON SC1
FSS0212	VEGETARIAN COOK:REST Vegetarian Cook: Restaurant	30,31	/Y	CT	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	CT	2.0 FAM CON SC1 SC FOOD SV7 G
M607010	LODGING OPERATIONS Lodging Operations	30,31	/		
HMV0740	GUEST SERVICES AGENT Guest Services Agent	30,31	/Y	CT	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	CT	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	CT	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

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N300100	NUTRIT & DIET CLERK Nutrition and Dietetic Clerk	30,31	/		
HEV0612	NUT & DIET CLERK Nutrition and Diet Clerk	30,31	/Y	CT	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	CT	1.0 FAM CON SC1 CULINARY 7 G ANY HEALTH OCCUP G
----- TRAVEL & 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	CT	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	CT	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	CT	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	CT	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
8703130	HOSP & TOUR ENTREPRE Hospitality and Tourism Entrepreneurship/Level 3	9-12	/Y	CT	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

## 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	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	CT	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE	
8801000	HOSP & TOUR DIR ST Hospitality and Tourism Directed Study	11-12	/M	CT	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	CT	0.5	CULINARY	7 G FAM CON SCI 1
8500390	PRIN OF FOOD PREP Principles Of Food Preparation/ Level 2	9-12	/S	CT	0.5	CULINARY	7 G FAM CON SCI 1
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	/				
M60701R	HOTEL ASSOC - APPR Hotel Associate - Apprenticeship	30,31	/				



PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
-----  HUMAN SERVICES CAREER CLUSTER  -----					
FAMILY & COMMUNITY SERVICES CAREER PATH (HMPC) -----					
8500365	FAM & CONS SCI(FACS) Family and Consumer Science (FACS) Essentials/Level 2	9-12	/Y CT	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 CT	0.5	FAM CON SCI 1
8502000	LIF MGMT SKL Life Management skills/Level 2	9-12	/S CT	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 CT	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 CT	1.0	COSMETOL @7 7 G FACIAL TEC7 G
CSP0106	ADV SKIN CARE 2 Advanced Skin Care 2	30,31	/Y CT	1.0	COSMETOL @7 7 G FACIAL TEC7 G
CSP0264	FACIAL TREATMENTS Facial Treatments	30,31	/Y CT	1.0	COSMETOL @7 7 G FACIAL TEC7 G
CSP0930	SPECIALTY TOPICS Specialty Topics	30,31	/S CT		COSMETOL @7 7 G FACIAL TEC7 G
CSP0505	ETHICAL BUS PRACTICE Ethical Business Practices	30,31	/S CT		COSMETOL @7 7 G FACIAL TEC7 G
CSP0940	INTERNSHIP Internship	30,31	/S CT		COSMETOL @7 7 G FACIAL TEC7 G
I120403	BARBERING Barbering	30,31	/		
COS0160	BARBER 1A Barber 1A	30,31	/Y CT	2.0	BARBERING 7 G
COS0161	BARBER 2A Barber 2A	30,31	/Y CT	1.0	BARBERING 7 G
COS0162	BARBER 3A Barber 3A	30,31	/Y CT	2.0	BARBERING 7 G
COS0163	BARBER 4A Barber 4A	30,31	/Y CT	1.0	BARBERING 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			
8905200	BARBERING Barbering	9-12	/			
8905210	BARBER 1 Barber 1, Level 2	9-12	/Y	CT	1.0	BARBERING 7 G
8905220	BARBER 2 Barber 2, Level 2	9-12	/Y	CT	1.0	BARBERING 7 G
8905230	BARBER 3 Barber 3, Level 2	9-12	/Y	CT	1.0	BARBERING 7 G
8905240	BARBER 4 Barber 4, Level 2	9-12	/Y	CT	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	CT	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	CT	0.5	COSMETOL @7 7 G
8905130	COSMETOLOGY FACIALS Cosmetology Facials 3/Level 2	9-12	/S	CT	0.5	COSMETOL @7 7 G
8905140	COSMETOLOGY 4 Cosmetology 4/Level 2	9-12	/Y	CT	1.0	COSMETOL @7 7 G
8905150	COSMETOLOGY 5 Cosmetology 5/Level 2	9-12	/Y	CT	1.0	COSMETOL @7 7 G
8905160	COSMETOLOGY 6 Cosmetology 6/Level 2	9-12	/Y	CT	1.0	COSMETOL @7 7 G
8905170	COSMETOLOGY 7 Cosmetology 7/Level 2	9-12	/Y	CT	1.0	COSMETOL @7 7 G
8905180	COSMETOLOGY 8 Cosmetology 8/Level 2	9-12	/Y	CT	1.0	COSMETOL @7 7 G
8905190	COSMETOLOGY 9 Cosmetology 9/Level 2	9-12	/M	CT	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	CT	1.5	COSMETOL @7 7 G
COS0002	COSMETOLOGIST 1 Cosmetologist 1	30,31	/Y	CT	2.0	COSMETOL @7 7 G
COS0003	COSMETOLOGIST 2 Cosmetologist 2	30,31	/Y	CT	2.0	COSMETOL @7 7 G
COS0009	COSMETOLOGIST 3 Cosmetologist 3	30,31	/Y	CT	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	CT	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	CT	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	CT	1.0	DRY CLEAN 7 G FAB MAINT@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	
8757400	FACIALS SPECIALTY Facials Specialty	9-12	/			
8757210	GROOM & SAL SERS 1 Grooming and Salon Services Core 1/ Level 2	9-12	/S	CT	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	CT	0.5	COSMETOL @7 7 G FACIAL TEC7 G
8757420	FACIALS SPECIALTY 3 Facials Specialty 3/Level 2	9-12	/Y	CT	1.0	COSMETOL @7 7 G FACIAL TEC7 G
I120425	FACIALS SPECIALTY Facials Specialty	30,31	/			
CSP0266	FACIALS SPECIALISTS Facials Specialists	30,31	/Y	CT	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	CT	0.5	COSMETOL @7 7 G SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
8757310	NAILS SPECIALTY 2 Nails Specialty 2/Level 2	9-12	/S	CT	0.5	COSMETOL @7 7 G NAIL TEC 7 G
8757320	NAILS SPECIALTY 3 Nails Specialty 3/Level 2	9-12	/Y	CT	1.0	COSMETOL @7 7 G NAIL TEC 7 G
I120415	NAILS SPECIALTY Nails Specialty	30,31	/			
CSP0016	MANI & PEDI SPEC Manicure and Pedicure Specialist	30,31	/Y	CT	2.0	COSMETOL @7 7 G NAIL TEC 7 G
8907100	PERSONAL TRAINER Personal Trainer	9-12	/			
8907110	PERSONAL TRAINER 1 Personal Trainer 1/Level 2	9-12	/Y	CT	1.0	PERS FIT T7 G
8907120	PERSONAL TRAINER 2 Personal Trainer 2/Level 2	9-12	/Y	CT	1.0	PERS FIT T7 G
8907130	PERSONAL TRAINER 3 Personal Trainer 3/Level 2	9-12	/Y	CT	1.0	PERS FIT T7 G
8907140	PERSONAL TRAINER 4 Personal Trainer 4/Level 2	9-12	/Y	CT	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 7 G FASH TECH 7 G PRESCH ED L FAM CON SCI 1 INT DES 7 G

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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	CT MULTIPLE	BARBERING 7 G FAM CON SCI 1 COSMETOL @7 7 G HME EC OCC 47 %7 %G
8901000	HUMAN SERVICES DS Human Services Directed Study	11-12	/M	CT MULTIPLE	BARBERING 7 G FAM CON SCI 1 COSMETOL @7 7 G HME EC OCC 47 %7 %G
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
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

APPRENTICESHIP PROGRAMS

D70010R	CERT PEER SPEC-APPR Certified Recovery Peer Specialist - Apprenticeship	30,31	/		
D30010R	COMM HEALTH WKR APPR Community Health Worker Apprenticeship	30,31	/		
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	CT	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

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8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G
9001350	CYBER PLAN & ANLY Cybersecurity Planning & Analysis/ Level 3	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	4.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 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		
CTS0019	INFO SECURITY MGR Information Security Manager	30,31	/Y CT	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 CT	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 CT	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 CT	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 CT	1.0	BUS ED 1 @2 COMPU SCI 6 CYBER TECH7 G INFO TECH 7 G		
9001500	CLOUD CPT/VIRTUALIZA Cloud Computing and Virtualization	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y CT	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 CT	1.0	BUS ED 1 @2 COMPU SCI 6		
9001520	NETWORK ENG & SPT Network Engineering & Support/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6		
9001530	ESS OF CLOUD TECH Essentials of Cloud Technology/ Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6		
9001540	BASICS OF CLOUD CPT Basics of Cloud Computing & Virtualization/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6		
9001550	ADV CLOUD CPT/VIRT Advanced Cloud Computing & Virtualization/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6		
Y100400	CLOUD CPT/VIRTUALIZA Cloud Computing and Virtualization	30,31	/				

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OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y CT	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 CT	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 CT	1.0	BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G CYBER TECH7 G
CTS0054	CLOUD ANALYSIS Cloud Analysis	30,31	/Y CT	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 CT	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 CT	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 CT	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G

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9001220	CSIT SYS ESSENTIALS Computer Systems & Information Technology System Essentials/Level 3	9-12	/Y CT	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 CT	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 CT	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G
9001250	CSIT CYBER SEC ESSEN CSIT Cyber Security Essentials/ Level 3	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	1.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G



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					COURSE LEVEL	REQUIREMENTS	
CTS0069	CPT SECURITY TECH Computer Security Technician	30,31	/Y CT	2.0	BUS ED 1 @2 COMPU SCI 6 COMP SVC 7 G CYBER TECH7 G ELECTRONI@7 7 G INFO TECH 7 G		
9005100	DIGITAL MEDIA TECH Digital Media Technology	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	4.0	BUS ED 1 @2 DIGI MEDIA7 G INFO TECH 7 G		

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8208000	NETWORK SUPPORT SERS Network Support Services	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	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		

## 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	CAREER AND TECHNICAL EDUCATION	
						PROGRAM/COURSE TITLE / COURSE LEVEL	GRADUATION REQUIREMENTS
8207050	NETWORKING 4 INFRAST Networking 4, Infrastructure/Level 3	9-12	/Y CT	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		
8207060	NETWORKING 5 Networking 5/Level 3	9-12	/Y CT	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		
8207070	NETWORKING 6 Networking 6/Level 3	9-12	/Y CT	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		
B078000	NETWORK SUPPORT SERS Network Support Services	30,31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y CT	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		

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EEV0504	CPT SUPPORT ASST Computer Support Assistant	30,31	/Y CT	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 CT	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 CT	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 CT	1.0	BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G
CTS0029	WIRELESS NET ADMIN Wireless Network Administrator	30,31	/Y CT	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 CT	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 CT	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 CT	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

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8207441	NETWORKING 2 ADMIN Networking 2, Administration/Level 3	9-12	/Y CT	1.0	G	
						VOE @7
						INFO TECH 7 G
						CYBER TECH7 G
						BOOKKEEPING@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
8207442	NETWORKING 3 ADMIN Networking 3, Administration/Level 3	9-12	/Y CT	1.0	G	
						TEC ELEC \$7
						VOE @7
						INFO TECH 7 G
						CYBER TECH7 G
						BOOKKEEPING@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
8207443	NETWORKING 4 ADMIN Networking 4, Administration/Level 3	9-12	/Y CT	1.0	G	
						TC COOP E@7
						TEC ELEC \$7
						VOE @7
						INFO TECH 7 G
						CYBER TECH7 G
						BOOKKEEPING@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						
8207060	NETWORKING 5 Networking 5/Level 3	9-12	/Y CT	1.0	G	
						TC COOP E@7
						TEC ELEC \$7
						VOE @7
						INFO TECH 7 G
						CYBER TECH7 G
						BOOKKEEPING@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						

## 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		
8207070	NETWORKING 6 Networking 6/Level 3	9-12	/Y CT	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	
B079300	NETWORK SYSTEM ADMIN Network Systems Administration	30,31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y CT	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 INFO TECH 7 G COMPU SCI 6 COMP SVC 7 G BUS ED 1 @2 CYBER TECH7 G BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G CYBER TECH7 G	
EEV0504	CPT SUPPORT ASST Computer Support Assistant	30,31	/Y CT	1.0		INFO TECH 7 G COMPU SCI 6 COMP SVC 7 G BUS ED 1 @2 CYBER TECH7 G BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G CYBER TECH7 G	
CTS0026	NETWORK SUPPORT TECH Network Support Technician	30,31	/Y CT	1.0		INFO TECH 7 G CYBER TECH7 G BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G CYBER TECH7 G	
CTS0027	SYSTEMS ADMIN Systems Administrator	30,31	/Y CT	1.0		BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G CYBER TECH7 G	
CTS0028	SYSTEMS ENGINEER Systems Engineer	30,31	/Y CT	1.0		BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G CYBER TECH7 G	
CTS0029	WIRELESS NET ADMIN Wireless Network Administrator	30,31	/Y CT	1.0		BUS ED 1 @2 COMP SVC 7 G COMPU SCI 6 INFO TECH 7 G CYBER TECH7 G	

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EEV0317	DATA COMM ANALYST Data Communications Analyst	30,31	/Y CT	1.0	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	4.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
9007700	DATA SCI & MACH LRNG Data Science and Machine Learning	9-12	/				
9007710	FDNS PROG DATASCI AI Foundations of Programming for Data Science and Artificial Intelligence, Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G ENG&TEC ED 1 @2 MATH 1		
9007220	PROCEDURAL PROGRAM Procedural Programming/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		

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9007720	DATA ANLYT DB DES Data Analytics and Database Design, Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G ENG&TEC ED 1 @2 MATH 1		
9007730	MACH LRNG & APPS Machine Learning and Applications, Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G ENG&TEC ED 1 @2 MATH 1		
9007740	CAP PROJ IND PARTNER Capstone Project with Industry Partners, Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 INFO TECH 7 G WEB DEV 7 G ENG&TEC ED 1 @2 MATH 1		
----- 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 CT	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		
9003410	COMPUTER FUNDAMENTAL Computer Fundamentals/Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
9003420	WEB TECHNOLOGIES Web Technologies/Level 3	9-12	/Y CT	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 CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
9003440	DATABASE ESSENTIALS Database Essentials/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		



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

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9003450	PROG ESSENTIALS Programming Essentials/Level 3	9-12	/Y CT	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 CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
9003470	MULTIMEDIA TECH Multimedia Technologies/Level 3	9-12	/Y CT	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 CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
9003490	CYBERSECURITY FUND Cybersecurity Fundamentals/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
Y300400	APPLIED INFO TECH Applied Information Technology	30,31	/				
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y CT	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 CT	2.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
CTS0063	DATABASE ESSENTIALS Database Essentials	30,31	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
CTS0030	PROGRAMMING FUNDS Programming Fundamentals	30,31	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
CTS0073	WEB DEVELOP FUNDS Web Development Fundamentals	30,31	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
CTS0075	MULTIMEDIA SYSTEMS Multimedia Systems	30,31	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
CTS0025	COMPUTER NETWORKING Computer Networking	30,31	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		
CTS0068	CYBERSECURITY ESSEN Cybersecurity Essentials	30,31	/Y CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G		

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8206400	DATABASE PGM ESSEN Database and Programming Essentials	9-12	/					
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	CT	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	CT	0.5	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
8206420	DATA CONTROL & FUNC Data Control and Functions/Level 2	11-12	/S	CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
8206430	SPELZD DATAB PRGM Specialized Database Programming/ Level 3	11-12	/Y	CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
8206440	SPELZD DATAB APPS Specialized Database Applications/ Level 3	11-12	/Y	CT	1.0	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6 SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
Y300600	ENTERPRISE DESKTOP Enterprise Desktop and Mobile Support Technology	30,31	/					
CTS0000	CPT HARDWARE FUND Computer Hardware Fundamentals	30,31	/Y	CT	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	CT	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	CT	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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						COURSES MEETING	SUBJECT AREA
CTS0003	MOBILE SECURITY FUND Mobile-Security-Domain Environment Fundamentals	30,31	/Y CT	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 CT	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 CT	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 CT	1.0		BUS ED 1 @2	
						COMPU SCI 6	
						COMP SVC 7 G	
						INFO TECH 7 G	
						CYBER TECH7 G	
						ELECTRONI@7 7 G	
Y300500	ENTERPRISE NETWORK Enterprise Network and Server Support Technology	30,31	/				
CTS0099	ADV NETWORK FUND Advanced Network Fundamentals	30,31	/Y CT	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	30,31	/Y CT	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 CT	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 CT	4.0		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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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	CT	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	CT	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 ANLY & MODEL GIS/RS Analysis and Modeling/Level 2	9-12	/Y	CT	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			
8600290	ADV GIS/RS APPS Advanced GIS/RS Applications/Level 2	9-12	/Y	CT	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			
9003500	INTEGRATED IT Integrated Information Technology	9-12	/							
9003510	IT PRINCIPLES IT Principles/Level 3	9-12	/Y	CT	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	CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G				
9003530	DATABASE PRINCIPLES Database Principles/Level 3	9-12	/Y	CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G				
9003540	PROGRAMMING PRIN Programming Principles/Level 3	9-12	/Y	CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G				
0200335	AP COMPUTER SCI PRIN Advanced Placement Computer Science Principles	9-12	3/Y	MA	1.0	ANY FIELD WHEN COMPU SCI 6	CERT REFLECTS BACHELOR OR HIGHER			
9003550	CLOUD PRINCIPLES Cloud Principles/Level 3	9-12	/Y	CT	1.0	BUS ED 1 @2 COMPU SCI 6 INFO TECH 7 G				
INTERACTIVE MEDIA CAREER PATH (ITPC)										
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8208400	GAME/SIM/ANI ADV APP Game/Simulation/Animation Advanced Applications/Level 2	9-12	/Y	CT	1.0	BUS ED 1 @2 COMPU SCI 6	COMM ART @7 7 G TV PRO TEC @7 7 G			

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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 CT	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 CT	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 CT	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	
8208230	GAME/SIM AUD/SND EFF Game/Simulation Audio/Sound Effects /Level 2	9-12	/Y CT	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 CT	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 CT	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	

## 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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER	
DIG0073	DIGITAL MEDIA ART Digital Media Artist	30,31	/Y CT	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 CT	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 CT	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 CT	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 CT	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 Programming/Level 3	9-12	/Y CT	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 Programming/Level 3	9-12	/Y CT	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		

## 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			
B082300	GAME/SIM/ANI PGM Game/Simulation/Animation Programming	30,31	/					
DIG0070	GAME/SIM DESIGNER Game/Simulation Designer	30,31	/Y	CT	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	CT	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	CT	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		
8208100	GAME/SIM/ANI VIS DSN Game/Simulation/Animator Visual Design	9-12	/					
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y	CT	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	CT	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	CT	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	CT	1.0	BUS ED 1 @2 COMM ART @7 7 G COMPU SCI 6 DIGI MEDIA7 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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
8208140	GAME & SIM 3D ANI Game & Simulation 3D Animation/ Level 2	9-12	/Y CT	1.0	COMP PROG 7 G 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 CT	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
DIG0071	GAME/SIM GRAPH ART Game/Simulation Graphic Artist	30,31	/Y CT	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 CT	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 CT	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 CT	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



## 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	CAREER AND TECHNICAL EDUCATION	
						CREDIT	CERTIFICATION
9005220	MODEL & SIM DESIGN Modeling and Simulation Design/ Level 2	9-12	/Y CT	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 CT	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	
9005240	MODEL & SIM PROTO Modeling and Simulation Prototyping and Innovation/Level 3	9-12	/Y CT	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 CT	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 CT	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	

## 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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER	
						COMPU SCI 6	ENG&TEC ED1 @2
CTS0772	MODEL SIM 3D ART Modeling & Simulation 3D Artist	30,31	/Y CT	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 CT	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
CTS0774	MODEL SIM DEVELOPER Modeling & Simulation Developer	30,31	/Y CT	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 CT	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 CT	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

## 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	CAREER AND TECHNICAL EDUCATION	
						COMPUTER	TECHNICAL
CTS0777	MODEL SIM PROGRAM 2 Modeling & Simulation Programmer 2	30,31	/Y CT	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 CT	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	
CTS0774	MODEL SIM DEVELOPER Modeling & Simulation Developer	30,31	/Y CT	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	
9001100	WEB DEVELOPMENT Web Development	9-12	/				
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y CT	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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION		
9001110	FOUND OF WEB DESIGN Foundations of Web Design/Level 3	9-12	/Y CT	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	
9001120	USER INTERFACE DSN User Interface Design/Level 3	9-12	/Y CT	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	
9001130	WEB SCRIPT FUND Web Scripting Fundamentals/Level 3	9-12	/Y CT	1.0		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	
9001140	MEDIA INTEGRAT ESS Media Integration Essentials/Level 3	9-12	/Y CT	1.0		TEC ELEC <sup>a</sup> 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	
9001150	E-COMM & MKT ESS E-Commerce & Marketing Essentials/ Level 3	9-12	/Y CT	1.0		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							

## 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
9001160	INTERACTIVITY ESS Interactivity Essentials/Level 3	9-12	/Y CT	1.0	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 Information Technology Assistant	30,31	/Y CT	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 ELECT DP @7 %G SECRETAR 7 G TC COOP E@7 TEC ELEC \$7 G VOE @7 WEB DEV 7 G
CTS0070	WEB DESIGN FOUND Web Design Foundations	30,31	/Y CT	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
CTS0071	WEB INTERFACE DSN Web Interface Design	30,31	/Y CT	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

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	COURSES MEETING	
						GRADUATION	REQUIREMENTS
CTS0049	WEB SCRIPTING Web Scripting	30,31	/Y CT	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
						BUS DP	@7 %G
						BUS ED	1 @2
CTS0015	WEB MEDIA INTEGRAT Web Media Integration	30,31	/Y CT	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
						BUS DP	@7 %G
						BUS ED	1 @2
CTS0016	WEB E-COMMERCE Web E-Commerce	30,31	/Y CT	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
						BUS DP	@7 %G
						BUS ED	1 @2
CTS0017	WEB INTERACTIVITY Web Interactivity	30,31	/Y CT	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	COURSES MEETING SUBJECT AREA		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			

## 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	CT	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	CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007220	PROCEDURAL PROGRAM Procedural Programming/Level 3	9-12	/Y	CT	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	CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007410	.NET APP DEV FOUND .NET Application Development Foundation/Level 3	9-12	/Y	CT	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	CT	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	CT	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	/			
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y	CT	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	CT	2.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6

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CTS0044	COMPUTER PROGRAMMER Computer Programmer	30,31	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
CTS0032	.NET PROGRAMMER .NET Programmer	30,31	/Y CT	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 CT	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		
8206010	BUSINESS CPTR PGM 1 Business Computer Programming 1/ Level 2	9-12	/Y CT	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 Programming 2/ Level 2	9-12	/Y CT	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 Programming 3/ Level 2	9-12	/Y CT	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 Programming 4/ Level 2	9-12	/Y CT	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		



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8206050	BUSINESS CPTR PGM 5 Business Computer Programming 5/ Level 3	9-12	/Y CT	1.0		BOOKKEEPING @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 Programming 6/ Level 3	9-12	/Y CT	1.0		BOOKKEEPING @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
8206070	BUSINESS CPTR PGM 7 Business Computer Programming 7/ Level 3	9-12	/Y CT	1.0		BOOKKEEPING @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
9007600	CPT SCIENCE PRIN Computer Science Principles	9-12	/										
9007610	ADVANCED IT Advanced Information Technology/ Level 3	9-12	/Y CT	1.0		BUS ED 1 @2	COMP PROG 7 G	COMPU SCI 6					
9007210	FOUND OF PROGRAMMING Foundations of Programming/Level 3	9-12	/Y CT	1.0		BUS ED 1 @2	COMP PROG 7 G	COMPU SCI 6					
9007220	PROCEDURAL PROGRAM Procedural Programming/Level 3 OR	9-12	/Y CT	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 Programming Fundamentals/Level 3 OR	9-12	/Y CT	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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
9007300	DB APP DEV & PROG Database Application Development and Programming	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y CT	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 CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007220	PROCEDURAL PROGRAM Procedural Programming/Level 3	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION
CTS0044	COMPUTER PROGRAMMER Computer Programmer	30,31	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
CTS0062	DATABASE PROGRAMMER Database Programmer	30,31	/Y CT	4.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007200	JAVA DEV & PROGRAM Java Development and Programming	9-12	/		
8207310	DIGITAL INFO TECH Digital Information Technology/ Level 2	9-12	/Y CT	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 CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007220	PROCEDURAL PROGRAM Procedural Programming/Level 3	9-12	/Y CT	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 CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007240	JAVA PROGRAM ESSEN Java Programming Essentials/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007250	APPL OBJ-OR JAVA PRO Applied Object-Oriented Java Programming/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007260	JAVA DB PROGRAMMING Java Database Programming/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
9007270	JAVA PROGRAM CAP Java Programming Capstone/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
Y700200	JAVA DEV & PROGRAM Java Development and Programming	30,31	/		
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y CT	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

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION		
CTS0041	CPT PROGRAMMER ASST Computer Programmer Assistant	30,31	/Y CT	2.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
CTS0044	COMPUTER PROGRAMMER Computer Programmer	30,31	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
CTS0031	JAVA DEVELOPER Java Developer	30,31	/Y CT	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 CT	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 CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
9007220	PROCEDURAL PROGRAM Procedural Programming/Level 3	9-12	/Y CT	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 CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
9007510	WEB PROGRAMMING Web Programming/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
9007520	JAVASCRIPT PROGRAM JavaScript Programming/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		
9007530	PHP PROGRAM PHP Programming/Level 3	9-12	/Y CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6		

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Y700500	WEB APPL DEV & PROG Web Application Development and Programming	30,31	/			
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y	CT	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	CT	2.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
CTS0044	COMPUTER PROGRAMMER Computer Programmer	30,31	/Y	CT	1.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6
CTS0034	WEB PROGRAMMER Web Programmer	30,31	/Y	CT	3.0	BUS ED 1 @2 COMP PROG 7 G COMPU SCI 6

## MIDDLE SCHOOL PROGRAMS

9003100	FUND OF DATA SCIENCE Fundamentals of Data Science	6-8	/Y			BUS ED 1 @2 COMPU SCI 6 WEB DEV 7 G ENG 7 G MATH 1	ENG&TEC ED 1 @2 INFO TECH 7 G ENG & TEC ED 7 G ENG TEC 7 G SCIENCE @4
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

## 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		
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				
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	CT 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	CT 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 System (GIS) Technology - Apprenticeship	30,31	/				
Y30030R	INFO TECH - APPR Information Technology - Apprenticeship	30,31	/				
B07040R	PC SUPPORT SERS-APPR PC Support Services - Apprenticeship	30,31	/				

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

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Y70010R	WEB DEV - APPR Web Development - Apprenticeship	30,31	/		
Y30070R	DATABASE TECH - APPR Database Technician - Apprenticeship	30,31	/		

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

## CORRECTION SERVICES CAREER PATH (LWPA)

P430102	CORRECTIONAL OFFICER Correctional Officer (B RTP)	30,31	/				
CJK0300	INTRO TO CORRECTIONS Introduction to Corrections	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
CJK0305	COMMUNICATIONS Communications	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
CJK0310	OFFICER SAFETY Officer Safety	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
CJK0315	FACILITY & EQUIP Facility and Equipment	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
CJK0320	INTAKE & RELEASE Intake and Release	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
CJK0330	SPRV SP POPULATIONS Supervising Special Populations	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
CJK0335	RESP INCIDENT & EMER Responding to Incidents and Emergencies	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
<sup>a</sup> CJK0031	FIRST AIDE/CJO First Aide for Criminal Justice Officer	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
CJK0040	CRIM JUST FIREAR Criminal Justice Firearms	30,31	/S	CT	0.5	CORR OFF 7 G LAW ENF @7 7 G	
<sup>a</sup> CJK0051	CRIM JUST DEF TA Criminal Justice Defensive Tactics	30,31	/S	CT	0.5	CORR OFF 7 G LAW ENF @7 7 G	
CJK0340	OFF WELLNESS & PA Officer wellness and Physical Abilities	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
P430153	CORR PROBATION OFR Correctional Probation Officer	30,31	/				
CJK0260	INTRO TO CORR PROBAT Introduction to Correctional Probation	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	
CJK0264	LEGAL FOUNDATIONS CP Legal Foundations for Correctional Probation Officers	30,31	/S	CT		CORR OFF 7 G LAW ENF @7 7 G	

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

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CJK0265	COMMUNICATIONS Communications	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0266	INTAKE & ORIENTATION Intake and Orientation	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0267	CASELOAD MGMT CP Caseload Management for Correctional Probation	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0268	SPVR OF OFFENDERS Supervision of Offenders	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G
CJK0269	FIELD SUPERVISION Field Supervision	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G
<sup>a</sup> CJK0031	FIRST AIDE/CJO First Aide for Criminal Justice Officer	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0040	CRIM JUST FIREAR Criminal Justice Firearms	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G
<sup>a</sup> CJK0051	CRIM JUST DEF TA Criminal Justice Defensive Tactics	30,31	/S CT	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 CT		CORR OFF 7 G LAW ENF @7 7 G
<sup>a</sup> P430123	CORR PROBATION OFR Correctional Probation Officer	30,31	/		
CJK0002	INTRO TO LAW ENFORCE Introduction to Law Enforcement	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0016	COMMUNICATION Communication	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0018	LEGAL Legal	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0019	INTERVIEW & REPORT Interviewing and Report Writing	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0063	FUNDS OF PATROL Fundamentals of Patrol	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0021	SERVING COMMUNITY Serving Your Community	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0072	CRIMES AGAINST PERSO Crimes Against Persons	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0073	CRIMES INV PROP/SOC Crimes Involving Property and Society	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0079	CRIME SCENE FOL INVE Crime Scene Follow-up Investigations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0400	TRAFFIC INCIDENTS Traffic Incidents	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0401	TRAFFIC STOPS Traffic Stops	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0402	TRAF CRASH INVEST Traffic Crash Investigations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0403	DUI TRAFFIC STOPS DUI Traffic Stops	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0093	CRITICAL INCIDENTS Critical Incidents	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G



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

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CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0020	LAW ENF VEH OPS Law Enforcement Vehicle Operations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0421	ELEC WEAP/DF STUNGUN Conducted Electrical weapon/Dart- Firing Stun Gun	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
P430132	CROSSOVER CO TO CPO Crossover from Correctional Officer to Correctional Probation Officer	30,31	/		
CJK0260	INTRO TO CORR PROBAT Introduction to Correctional Probation	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0264	LEGAL FOUNDATIONS CP Legal Foundations for Correctional Probation Officers	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0266	INTAKE & ORIENTATION Intake and Orientation	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0267	CASELOAD MGMT CP Caseload Management for Correctional Probation	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0268	SPVR OF OFFENDERS Supervision of Offenders	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G
CJK0269	FIELD SUPERVISION Field Supervision	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
P430125	CROSSOVER CO TO LEO Crossover from Correctional officer to Law Enforcement Officer	30,31	/		
CJK0002	INTRO TO LAW ENFORCE Introduction to Law Enforcement	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0016	COMMUNICATION Communication	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0018	LEGAL Legal	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0019	INTERVIEW & REPORT Interviewing and Report Writing	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0063	FUNDS OF PATROL Fundamentals of Patrol	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0021	SERVING COMMUNITY Serving Your Community	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0072	CRIMES AGAINST PERSO Crimes Against Persons	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0073	CRIMES INV PROP/SOC Crimes Involving Property and Society	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0079	CRIME SCENE FOL INVE Crime Scene Follow-up Investigations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0400	TRAFFIC INCIDENTS Traffic Incidents	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G

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CJK0401	TRAFFIC STOPS Traffic Stops	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0402	TRAF CRASH INVEST Traffic Crash Investigations	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0403	DUI TRAFFIC STOPS DUI Traffic Stops	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0093	CRITICAL INCIDENTS Critical Incidents	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	30,31	/S	CT	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	CT	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	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0305	COMMUNICATIONS Communications	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0310	OFFICER SAFETY Officer Safety	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0315	FACILITY & EQUIP Facility and Equipment	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0320	INTAKE & RELEASE Intake and Release	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0330	SPRV SP POPULATIONS Supervising Special Populations	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0335	RESP INCIDENT & EMER Responding to Incidents and	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	30,31	/S	CT	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	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0305	COMMUNICATIONS Communications	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0310	OFFICER SAFETY Officer Safety	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0315	FACILITY & EQUIP Facility and Equipment	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	
CJK0320	INTAKE & RELEASE Intake and Release	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G	

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CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0330	SPRV SP POPULATIONS Supervising Special Populations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0335	RESP INCIDENT & EMER Responding to Incidents and Emergencies	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0032	FIRST AID PROF First Aid for Criminal Justice Officers Proficiency	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0041	CJ FIREARMS PROF Criminal Justice Firearms Proficiency	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0052	CJ DEFENSIVE TAC Criminal Justice Defensive Tactics Proficiency	30,31	/S CT		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 CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0264	LEGAL FOUNDATIONS CP Legal Foundations for Correctional Probation Officers	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0265	COMMUNICATIONS Communications	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0266	INTAKE & ORIENTATION Intake and Orientation	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0267	CASELOAD MGMT CP Caseload Management for Correctional Probation	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0268	SPVR OF OFFENDERS Supervision of Offenders	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G
CJK0269	FIELD SUPERVISION Field Supervision	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G
CJK0032	FIRST AID PROF First Aid for Criminal Justice Officers Proficiency	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0041	CJ FIREARMS PROF Criminal Justice Firearms Proficiency	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0052	CJ DEFENSIVE TAC Criminal Justice Defensive Tactics Proficiency	30,31	/S CT		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 CT		CORR OFF 7 G B079100LAW 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		
CJK0264	LEGAL FOUNDATIONS CP Legal Foundations for Correctional Probation Officers	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0265	COMMUNICATIONS Communications	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0266	INTAKE & ORIENTATION Intake and Orientation	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0267	CASELOAD MGMT CP Caseload Management for Correctional Probation	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0268	SPVR OF OFFENDERS Supervision of Offenders	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G		
CJK0269	FIELD SUPERVISION Field Supervision	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G		
CJK0032	FIRST AID PROF First Aid for Criminal Justice Officers Proficiency	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0052	CJ DEFENSIVE TAC Criminal Justice Defensive Tactics Proficiency	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
P430225	FBRTTP:LAW ENF SP OPS FL Basic Recruits Training Program: Law Enforcement Basic Training for Special Operations Forces Recruits	30,31	/				
CJK0002	INTRO TO LAW ENFORCE Introduction to Law Enforcement	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0016	COMMUNICATION Communication	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0018	LEGAL Legal	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0019	INTERVIEW & REPORT Interviewing and Report Writing	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0063	FUNDS OF PATROL Fundamentals of Patrol	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0021	SERVING COMMUNITY Serving Your Community	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0072	CRIMES AGAINST PERSO Crimes Against Persons	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0073	CRIMES INV PROP/SOC Crimes Involving Property and Society	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0079	CRIME SCENE FOL INVE Crime Scene Follow-up Investigations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0400	TRAFFIC INCIDENTS Traffic Incidents	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0401	TRAFFIC STOPS Traffic Stops	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0402	TRAF CRASH INVEST Traffic Crash Investigations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G		
CJK0403	DUI TRAFFIC STOPS DUI Traffic Stops	30,31	/S CT		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
CJK0020	LAW ENF VEH OPS Law Enforcement Vehicle Operations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0032	FIRST AID PROF First Aid for Criminal Justice Officers Proficiency	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0041	CJ FIREARMS PROF Criminal Justice Firearms Proficiency	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0052	CJ DEFENSIVE TAC Criminal Justice Defensive Tactics Proficiency	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0421	ELEC WEAP/DF STUNGUN Conducted Electrical weapon/Dart- Firing Stun Gun	30,31	/S CT		CORR OFF 7 G 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 CT	1.0	FIRE FIGHT 7 G
FFP0031	FIRE FIGHTER 2 Fire Fighter 2	30,31	/Y CT	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 CT	1.0	FIRE FIGHT 7 G
FFP0031	FIRE FIGHTER 2 Fire Fighter 2	30,31	/Y CT	1.0	FIRE FIGHT 7 G
EMS0110	EMER MEDICAL TECH Emergency Medical Technician (EMT)	30,31	/Y CT	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 CT	1.0	FIRE FIGHT7 G
8918220	FIREFIGHTING 2 Firefighting 2/Level 2	10-12	/Y CT	1.0	FIRE FIGHT7 G
8918230	FIREFIGHTING 3 Firefighting 3/Level 3	10-12	/Y CT	1.0	FIRE FIGHT7 G
P439991	POLICE SERVICE AIDE Police Service Aide	30,31	/		
CJK0110	PARK ENFORCE SPEC Park Enforcement Specialist	30,31	/S CT		LAW ENF @7 7 G PUB SERV 7 G
CJK0112	TRAF ACCIDENT INVEST Traffic Accident Investigator	30,31	/S CT	0.5	LAW ENF @7 7 G PUB SERV 7 G
CJK0114	POLICE SERVICE AIDE Police Service Aide	30,31	/S CT	0.5	LAW ENF @7 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	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	
9101000	PUBLIC SAFETY TELE Public Safety Telecommunication	11-12	/			
9101100	DISP: POL,FIRE, AMB Dispatcher: Police, Fire, Ambulance/ Level 2	12	/Y	CT	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	CT	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) -----						
P430208	PRIV INVEST INTERN Private Investigator Intern	30,31	/			
SCY0051	PRIV INVEST INTERN 1 Private Investigator Intern 1	30,31	/S	CT		LAW ENF @7 7 G PUB SERV 7 G
SCY0052	PRIV INVEST INTERN 2 Private Investigator Intern 2	30,31	/S	CT		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	CT		LAW ENF @7 7 G PUB SERV 7 G
CJK0134	ARMED PRIV SEC OFF Armed Private Security officer	30,31	/S	CT		LAW ENF @7 7 G PUB SERV 7 G
----- LAW ENFORCEMENT SERVICES CAREER PATH (LWPD) -----						
P430117	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	CT		LAW ENF @7 7 G
<sup>a</sup> CJK0024	LEGAL CONCEPTS Legal Concepts	30,31	/S	CT		LAW ENF @7 7 G
<sup>a</sup> CJK0025	PATROL/PROF COMM Patrol and Professional Communication	30,31	/S	CT		LAW ENF @7 7 G
<sup>a</sup> CJK0026	DIVERSE COMMUNITY Interactions in a Diverse Community	30,31	/S	CT		LAW ENF @7 7 G
<sup>a</sup> CJK0027	SERVICE/ARREST PRO Calls for Service and Arrest Procedures	30,31	/S	CT		LAW ENF @7 7 G
<sup>a</sup> CJK0028	TRAFFIC STOPS/CRASH Traffic Stops and Crash Investigations	30,31	/S	CT		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		
<sup>a</sup> CJK0029	CRIME SCENE/COURT Crime Scene and Courtroom Procedures	30,31	/S CT		LAW ENF @7	7	G
CJK0422	DART FIRING STUN GUN Dart Firing Stun Gun	30,31	/S CT		CORR OFF 7	7	G
CJK0421	ELEC WEAP/DF STUNGUN Conducted Electrical weapon/Dart- Firing Stun Gun	30,31	/S CT		LAW ENF @7	7	G
<sup>a</sup> CJK0031	FIRST AIDE/CJO First Aide for Criminal Justice Officer	30,31	/S CT		CORR OFF 7	7	G
CJK0040	CRIM JUST FIREAR Criminal Justice Firearms	30,31	/S CT	0.5	LAW ENF @7	7	G
<sup>a</sup> CJK0051	CRIM JUST DEF TA Criminal Justice Defensive Tactics	30,31	/S CT	0.5	CORR OFF 7	7	G
CJK0020	LAW ENF VEH OPS Law Enforcement Vehicle Operations	30,31	/S CT		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 CT		LAW ENF @7	7	G
<sup>a</sup> CJK0024	LEGAL CONCEPTS Legal Concepts	30,31	/S CT		LAW ENF @7	7	G
<sup>a</sup> CJK0025	PATROL/PROF COMM Patrol and Professional Communication	30,31	/S CT		LAW ENF @7	7	G
<sup>a</sup> CJK0026	DIVERSE COMMUNITY Interactions in a Diverse Community	30,31	/S CT		LAW ENF @7	7	G
<sup>a</sup> CJK0027	SERVICE/ARREST PRO Calls for Service and Arrest Procedures	30,31	/S CT		LAW ENF @7	7	G
<sup>a</sup> CJK0028	TRAFFIC STOPS/CRASH Traffic Stops and Crash Investigations	30,31	/S CT		LAW ENF @7	7	G
<sup>a</sup> CJK0029	CRIME SCENE/COURT Crime Scene and Courtroom Procedures	30,31	/S CT		LAW ENF @7	7	G
CJK0422	DART FIRING STUN GUN Dart Firing Stun Gun	30,31	/S CT		CORR OFF 7	7	G
<sup>a</sup> CJK0031	FIRST AIDE/CJO First Aide for Criminal Justice Officer	30,31	/S CT		CORR OFF 7	7	G
CJK0040	CRIM JUST FIREAR Criminal Justice Firearms	30,31	/S CT	0.5	LAW ENF @7	7	G
<sup>a</sup> CJK0051	CRIM JUST DEF TA Criminal Justice Defensive Tactics	30,31	/S CT	0.5	CORR OFF 7	7	G
CJK0020	LAW ENF VEH OPS Law Enforcement Vehicle Operations	30,31	/S CT		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 CT	1.0	CORR OFF 7	7	G
					LAW ENF 7	7	G
					PUB SERV 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
8200302	CRIME SCENE TECH 2 Crime Scene Technology 2/Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	1.0	CORR OFF 7 G LAW ENF @7 7 G PUB SERV 7 G
8918050	PUBLIC SERV OFFICER Public Service Officer/Level 3	9-12	/Y CT	1.0	CORR OFF 7 G LAW ENF @7 7 G PUB SERV 7 G
8918060	CERTIF LEGAL ASSIST Certified Legal Assistant/Level 3	9-12	/Y CT	1.0	CORR OFF 7 G LAW ENF @7 7 G PUB SERV 7 G
8918070	CODE ENFORCEMENT Code Enforcement/Level 2	9-12	/Y CT	1.0	CORR OFF 7 G LAW ENF @7 7 G PUB SERV 7 G
P430142	CROSSOVER CPO TO COR Crossover Correctional Probation Officer to Correctional B RTP	30,31	/		
CJK0300	INTRO TO CORRECTIONS Introduction to Corrections	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0310	OFFICER SAFETY Officer Safety	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0315	FACILITY & EQUIP Facility and Equipment	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0320	INTAKE & RELEASE Intake and Release	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0325	SPRV CORR FACILITY Supervising in a Correctional Facility	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0330	SPRV SP POPULATIONS Supervising Special Populations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0335	RESP INCIDENT & EMER Responding to Incidents and Emergencies	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G
CJK0040	CRIM JUST FIREAR Criminal Justice Firearms	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G
CJK0393	CROSSOVER PROG UPDAT Crossover Program Updates	30,31	/S CT		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
P430107	CROSSOVER CPO TO LEO Crossover Correctional Probation Officer to Law Enforcement Officer	30,31	/		
CJK0016	COMMUNICATION Communication	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0018	LEGAL Legal	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0063	FUNDS OF PATROL Fundamentals of Patrol	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0021	SERVING COMMUNITY Serving Your Community	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0072	CRIMES AGAINST PERSO Crimes Against Persons	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0073	CRIMES INV PROP/SOC Crimes Involving Property and Society	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0079	CRIME SCENE FOL INVE Crime Scene Follow-up Investigations	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0400	TRAFFIC INCIDENTS Traffic Incidents	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0401	TRAFFIC STOPS Traffic Stops	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0402	TRAF CRASH INVEST Traffic Crash Investigations	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0403	DUI TRAFFIC STOPS DUI Traffic Stops	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0093	CRITICAL INCIDENTS Critical Incidents	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0394	CPO: CROSSOVER PR UP CPO: Crossover Program Updates	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0020	CMS LAW ENF VEH OPS CMS Law Enforcement Vehicle Operations	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0421	ELEC WEAP/DF STUNGUN Conducted Electrical weapon/Dart- Firing Stun Gun	30,31	/S	CT	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	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0016	COMMUNICATION Communication	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0018	LEGAL Legal	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0019	INTERVIEW & REPORT Interviewing and Report Writing	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0063	FUNDS OF PATROL Fundamentals of Patrol	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0021	SERVING COMMUNITY Serving Your Community	30,31	/S	CT	CORR OFF 7 G LAW ENF @7 7 G
CJK0072	CRIMES AGAINST PERSO Crimes Against Persons	30,31	/S	CT	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	COURSES MEETING		
						CRSE LENGTH	REQUIREMENTS	CREDIT
CJK0073	CRIMES INV PROP/SOC Crimes Involving Property and Society	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G			
CJK0079	CRIME SCENE FOL INVE Crime Scene Follow-up Investigations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G			
CJK0400	TRAFFIC INCIDENTS Traffic Incidents	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G			
CJK0401	TRAFFIC STOPS Traffic Stops	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G			
CJK0402	TRAF CRASH INVEST Traffic Crash Investigations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G			
CJK0403	DUI TRAFFIC STOPS DUI Traffic Stops	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G			
CJK0093	CRITICAL INCIDENTS Critical Incidents	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G			
CJK0020	LAW ENF VEH OPS Law Enforcement Vehicle Operations	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G			
<sup>a</sup> CJK0031	FIRST AIDE/CJO First Aide for Criminal Justice Officer	30,31	/S CT		CORR OFF 7 G LAW ENF @7 7 G			
CJK0040	CRIM JUST FIREAR Criminal Justice Firearms	30,31	/S CT	0.5	CORR OFF 7 G LAW ENF @7 7 G			
<sup>a</sup> CJK0051	CRIM JUST DEF TA Criminal Justice Defensive Tactics	30,31	/S CT	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 CT		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 CT		CORR OFF 7 G LAW ENF @7 7 G			
LEGAL SERVICES CAREER PATH (LWPE)								
P430135	BAIL BOND AGENT Bail Bond Agent	30,31	/					
SCY0050	BAIL BOND AGENT Bail Bond Agent	30,31	/S CT	0.5	LAW ENF @7 7 G			
8900220	EXPLOR OF CJ OCCS Exploration of Criminal Justice Occupations	6-8	/S		ANY PUB SERV OCC ED G CORR OFF 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 OCC ED G CORR OFF 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 OCC ED G 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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER		
						ANY PUB SERV OCC ED G	CORR OFF	7 G
8900410	LAW, PS & SEC OJT Law, Public Safety and Security Cooperative Education - OJT	9-12	/M CT	MULTIPLE	ANY PUB SERV OCC ED G CORR OFF	7 G	LAW ENF	@7 7 G
8900100	LAW, PS & SECU DS Law, Public Safety and Security Directed Study	11-12	/M CT	MULTIPLE	ANY PUB SERV OCC ED G CORR OFF	7 G	LAW ENF	@7 7 G
----- APPRENTICESHIP PROGRAMS -----								
L60010R	POLICE OFFICER-APPR Police Officer - Apprenticeship	30,31	/					
P43020R	FIRE FIGHTER - APPR Fire Fighter - Apprenticeship	30,31	/					
P43021R	FIRE/EMT COMB-APPR Fire Fighter/EMT 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			

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MANUFACTURING CAREER CLUSTER
MANUFACTURING PRODUCTION PROCESS CAREER PATH (MNPA)  
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J100400	ADV COMPOSITIES Advanced Composites	30,31	/					
ETI0462	COMPOSITES TECH 1 Composites Technician 1		/Y	CT	2.0	AUTO PROD	7 G	
ETI0463	COMPOSITES TECH 2 Composites Technician 2		/Y	CT	2.0	AUTO PROD	7 G	
J100300	IND MACH & CONT TECH Industrial Machining and Controls Technician	30,31	/					
ETI0580	IND MACH & CONT ASST Industrial Machining and Controls Assistant	30,31	/Y	CT	2.0	ELECTRONI@7 ELECTRICAL7 MILLWRIGHT7 AUTO PROD 7	7 G @7 G G G	
ETI0581	IND MACH & CONT ASSC Industrial Machining and Controls Associate	30,31	/Y	CT	2.0	ELECTRONI@7 ELECTRICAL7 MILLWRIGHT7 AUTO PROD 7	7 G @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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER		
ETI0582	IND MACH & CONT TEC1 Industrial Machining and Controls Technician 1	30,31	/Y CT	2.0	ELECTRONI@7 7 G ELECTRICAL7 @7 G MILLWRIGHT7 G AUTO PROD 7 G			
ETI0583	IND MACH & CONT TEC2 Industrial Machining and Controls Technician 2	30,31	/Y CT	2.0	ELECTRONI@7 7 G ELECTRICAL7 @7 G MILLWRIGHT7 G AUTO PROD 7 G			
J100200	ADV MFG & PROD TECH Advanced Manufacturing and Production Technology	30,31	/					
ETI0400	ENTRY-LEVEL PROD WKR Entry-Level Production Worker	30,31	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	1.0	AUTO PROD 7 G ELECTRONI@7 7 G ENG 7 G ENG&TEC ED1 @2			

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			GRADUATION REQUIREMENTS					
I150404	ELEC & INST TECH Electrical and Instrumentation Technology	30,31	/					
EEV0650	ELECTRICIAN (CONST) Electrician (Construction)	30,31	/Y	CT	2.0	ELECTRONI@7	7	G
EEV0652	INSTRUMENT MECH Instrument Mechanic	30,31	/Y	CT	2.0	TEC ELEC @7	7	G
EEV0654	ELECTRICIAN MAINT Electrician Maintenance	30,31	/Y	CT	2.0	ELECTRONI@7	7	G
EEV0656	INSTRUMENT TECH Instrument Technician	30,31	/Y	CT	2.5	TEC ELEC @7	7	G
EEV0658	OP ENGR ASST STAT Operating Engineer Assistant Stationary	30,31	/Y	CT	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	CT	2.0	ELECTRONI@7	7	G
EEV0652	INSTRUMENT MECH Instrument Mechanic	30,31	/Y	CT	2.0	TEC ELEC @7	7	G
EEV0654	ELECTRICIAN MAINT Electrician Maintenance	30,31	/Y	CT	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	CT	2.5	ELECTRONI@7	7	G
EEV0658	OP ENGR ASST STAT Operating Engineer Assistant Stationary	30,31	/Y	CT	2.5	TEC ELEC @7	7	G
<sup>a</sup> I150603	INDUSTRIAL TECH Industrial Technology	30,31	/					
<sup>a</sup> ETI0600	DRAFT ASST MACH Drafting Assistant Machining	30,31	/Y	CT	2.0	IND ENGR	7	G
<sup>a</sup> ETI0601	COST CONTROL ASSIST Cost Control Assistant	30,31	/Y	CT	2.0	IND ENGR	7	G
<sup>a</sup> ETI0602	INDUST TECH ASST 1 Industrial Technician Assistant 1	30,31	/Y	CT	1.5	IND ENGR	7	G
<sup>a</sup> ETI0603	INDUST TECH ASST 2 Industrial Technician Assistant 2	30,31	/Y	CT	1.5	IND ENGR	7	G
<sup>a</sup> ETI0604	INDUST ENGR TECH 1 Industrial Engineering Technician 1	30,31	/Y	CT	1.5	IND ENGR	7	G
<sup>a</sup> ETI0605	INDUST ENGR TECH 2 Industrial Engineering Technician 2	30,31	/Y	CT	1.5	IND ENGR	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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER	
						PRODUCTION CAREER PATH (MNPB)	
J200400	CERT PROD TECH Certified Production Technology	30,31	/				
EEV0210	CERT PROD TECHNICIAN Certified Production Technician	30,31	/Y	CT	2.0	AUTO PROD 7 ELECTRONI@7 ENG 7 ENG&TEC ED1 @2	G G G @2
J200300	CNC PRODUCTION SPEC CNC Production Specialist	30,31	/				
PMT0026	CNC PRODUCTION TEC 1 CNC Production Technician 1	30,31	/Y	CT	2.0	ENG 7 MACH SHOP@7 METAL WORK7	G 7 G G
PMT0027	CNC PRODUCTION TEC 2 CNC Production Technician 2	30,31	/Y	CT	2.0	ENG 7 MACH SHOP@7 METAL WORK7	G 7 G G
J200100	MACHINING TECH Machining Technologies	30,31	/				
PMT0020	MACHINIST HELPER Machinist Helper	30,31	/Y	CT	2.0	MACH SHOP@7 METAL WORK7 TOOL DIE %7	7 G G G
PMT0022	MACHINIST OPERATOR Machinist Operator	30,31	/Y	CT	2.0	MACH SHOP@7 METAL WORK7 TOOL DIE %7	7 G G G
PMT0024	MACHINIST SETUP OP Machinist Setup Operator	30,31	/Y	CT	4.0	MACH SHOP@7 METAL WORK7 TOOL DIE %7	7 G G G
PMT0025	MACHINIST Machinist	30,31	/Y	CT	2.0	MACH SHOP@7 METAL WORK7 TOOL DIE %7	7 G G G
9202100	MACHINING TECHNOLOGY Machining Technology	9-12	/				
9202110	MACHINING TECH 1 Machining Technology 1/Level 3	9-12	/Y	CT	1.0	MACH SHOP@7 METAL WORK7 TOOL DIE %7	7 G G G
9202120	MACHINING TECH 2 Machining Technology 2/Level 3	9-12	/Y	CT	1.0	MACH SHOP@7 METAL WORK7 TOOL DIE %7	7 G G G
9202130	MACHINING TECH 3 Machining Technology 3/Level 3	9-12	/Y	CT	1.0	MACH SHOP@7 METAL WORK7 TOOL DIE %7	7 G G G
9202140	MACHINING TECH 4 Machining Technology 4/Level 3	9-12	/Y	CT	1.0	MACH SHOP@7 METAL WORK7 TOOL DIE %7	7 G G G
9202150	MACHINING TECH CAP Machining Technology Capstone/Level 3	9-12	/Y	CT	1.0	MACH SHOP@7 METAL WORK7 TOOL DIE %7	7 G G 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

J200200	MECHATRONICS TECH Mechatronics Technology	30,31	/		
EEV0010	ELECTRONICS ASMBR Electronics Assembler	30,31	/Y	CT	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	CT	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	CT	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 Mechatronic Technician	30,31	/Y	CT	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	CT	1.0
					BIOMED EQ 7 G
					ELECTRONI@7 7 G
					MED EQ TEC7 G
EER0006	ELECT EQUIP REPAIR Electronics Equipment Repairer	30,31	/Y	CT	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	CT	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	CT	1.0
					BIOMED EQ 7 G
					ELECTRONI@7 7 G
					MED EQ TEC7 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		
EER0092	BIOMED IMAGE EQUIP 1 Biomedical Imaging Equipment 1	30,31	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	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		



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9202340	ELECTRONIC SYSTEMS 4 Electronic Systems Technology 4/ Level 3	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	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			
EEV0500	ELECT EQUIP REPAIR Electronics Equipment Repairer	30,31	/Y CT	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 CT	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			

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J540100	ELECTRONIC TECH 1 Electronic Technology 1	30,31	/				
EEV0010	ELECTRONICS ASMBR Electronics Assembler	30,31	/Y	CT	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	CT	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	CT	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	CT	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	
^8736000	IND BIOTECHNOLOGY Industrial Biotechnology	9-12	/				
3027010	BIOTECHNOLOGY 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	
3027020	BIOTECHNOLOGY 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	BIOTECHNOLOGY 3 Biotechnology 3/Level 3	9-12	/Y	CT	1.0	CHEM 1 BIOLOGY 1 BIOTECH 7 G	

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			GRADUATION REQUIREMENTS			
I470303	INDUS MACH MAINT/RPR Industrial Machinery Maintenance and Repair	30,31	/			
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	30,31	/Y	CT	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	CT	1.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
ETI0456	MACH MAINT MECH Machinery Maintenance Mechanic	30,31	/Y	CT	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	CT	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	CT	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	CT	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	CT	1.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
8743240	MACHINERY MAINT 4 Machinery Maintenance 4/Level 3	9-12	/Y	CT	1.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G
9204350	IND MACH MECH CAP Industrial Machinery Mechanic Technology Capstone/Level 3	9-12	/Y	CT	1.0	BLDG CONS@7 7 G IND ENGR 7 G MACH SHOP@7 7 G MILLWRIGHT7 G TEC CONST@7 7 G

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J590100	INDUS MACH MAINT 1 Industrial Machinery Maintenance 1	30,31	/				
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	30,31	/Y	CT	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	CT	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	CT	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	CT	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	CT	3.0	JWLY MFGR 7 METAL WORK7	7 G 7 G
PMT0630	JEWELRY DESIGNER Jewelry Designer	30,31	/Y	CT	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	CT	1.0	JWLY MFGR 7 METAL WORK7	7 G 7 G
PMT0642	JEWELRY REPAIR Jewelry Repair	30,31	/Y	CT	1.0	JWLY MFGR 7 METAL WORK7	7 G 7 G
PMT0632	STONE SETTER Stone Setter	30,31	/Y	CT	1.0	JWLY MFGR 7 METAL WORK7	7 G 7 G
PMT0635	CAD/CAM JEWELRY DSN CAD/CAM Jewelry Designer	30,31	/Y	CT	2.0	JWLY MFGR 7 METAL WORK7	7 G 7 G
J620300	MAJ APP & REFG TECH Major Appliance and Refrigeration Technology	30,31	/				
EER0391	APP INSTALLATION HLP Appliance Installation Helper	30,31	/Y	CT	1.0	APPLI REP@7 GAS FITTER7	7 G 7 G
EER0315	LAUNDRY TECH Laundry Technician	30,31	/Y	CT	2.0	APPLI REP@7 GAS FITTER7	7 G 7 G
EER0392	COOKING APP TECH Cooking Appliance Technician	30,31	/Y	CT	2.0	APPLI REP@7 GAS FITTER7	7 G 7 G

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ACR0084	COOLING APP TECH Cooling Appliance Technician	30,31	/Y CT	2.0	APPLI REP@7 GAS FITTER7	7 G G
I470313	MILLWRIGHT Millwright	30,31	/			
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	30,31	/Y CT	3.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G G G G G
ETI0457	MACH MAINT TECH Machinery Maintenance Technician	30,31	/Y CT	1.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G G G G G
ETI0456	MACH MAINT MECH Machinery Maintenance Mechanic	30,31	/Y CT	2.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G G G G G
ETI0459	MILLWRIGHT Millwright	30,31	/Y CT	3.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G G G G G
J590400	MILLWRIGHT 1 Millwright 1	30,31	/			
ETI0450	INDUS MACH MAINT AST Industrial Machinery Maintenance Assistant	30,31	/Y CT	3.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G G G G G
ETI0456	MACH MAINT MECH Machinery Maintenance Mechanic	30,31	/Y CT	2.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G G G G G
J590500	MILLWRIGHT 2 Millwright 2	30,31	/			
ETI0457	MACH MAINT TECH Machinery Maintenance Technician	30,31	/Y CT	1.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G G G G G
ETI0459	MILLWRIGHT Millwright	30,31	/Y CT	3.0	BLDG CONS@7 IND ENGR 7 MACH SHOP@7 MILLWRIGHT7 TEC CONST@7	7 G G 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	CAREER AND TECHNICAL EDUCATION	
J400400	WELDING TECHNOLOGY welding Technology	30,31	/				
PMT0070	WELDER ASSISTANT 1 welder Assistant 1	30,31	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
PMT0071	WELDER ASSISTANT 2 welder Assistant 2	30,31	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
PMT0072	WELDER, SMAW 1 welder, SMAW 1	30,31	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
PMT0073	WELDER, SMAW 2 welder, SMAW 2	30,31	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
PMT0074	WELDER welder	30,31	/Y	CT	3.0	METAL WORK7 WELDING @7	G 7 G
J400410	WELDING TECH - ADV Welding Technology - Advanced	30,31	/				
PMT0075	ADVANCED WELDER 1 Advanced welder 1	30,31	/Y	CT	4.0	METAL WORK7 WELDING @7	G 7 G
PMT0076	ADVANCED WELDER 2 Advanced welder 2	30,31	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
9204400	WELDING TECH FUND welding Technology Fundamentals	9-12	/				
9204410	WELD TECH FUNDS 1 welding Technology Fundamentals 1/ Level 3	9-12	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
9204420	WELD TECH FUNDS 2 welding Technology Fundamentals 2/ Level 3	9-12	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
9204430	WELD TECH FUNDS 3 welding Technology Fundamentals 3/ Level 3	9-12	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
9204440	WELD TECH FUNDS 4 welding Technology Fundamentals 4/ Level 3	9-12	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
9204450	WELD TECH FUNDS CAP welding Technology Fundamentals Capstone/Level 3	9-12	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
*J400500	ALUM WELD & FABRIC Aluminum welding and Fabrication	30,31	/				
*PMT0710	ALUM WELD & FABRIC 1 Aluminum welding and Fabrication 1	30,31	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
*PMT0711	ALUM WELD & FABRIC 2 Aluminum welder and Fabrication 2	30,31	/Y	CT	1.0	METAL WORK7 WELDING @7	G 7 G
----- SUPPLEMENTAL PROGRAMS -----							
9260400	FUND OF MANUFACTUR Fundamentals of Manufacturing	6-8	/S			AUTO PROD ENG ENG&TEC ED	7 G 7 G 1 @2
						ELECTRONIC IND ENGR	@7 7 G 7 G

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

PROGRAM/ COURSE NUMBER	ABBREVIATED TITLE PROGRAM/COURSE TITLE / COURSE LEVEL	GRADE LEVEL/ CRSE LENGTH	COURSES MEETING SUBJECT AREA GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION	CAREER AND TECHNICAL EDUCATION				
9260350	INTRO TO MANUFACTUR Introduction to Manufacturing	6-8	/S			AUTO PROD ENG ENG&TEC ED	7 G 7 G 1 @2	ELECTRONIC @7 IND ENGR 7 G	7 G 7 G	
9260360	INTRO TO MANUF & CP Introduction to Manufacturing and Career Planning	6-8	/S			AUTO PROD ENG ENG&TEC ED	7 G 7 G 1 @2	ELECTRONIC @7 IND ENGR T G	7 G 7 G	
9200420	MANUFACTURING OJT Manufacturing Cooperative Education OJT	9-12	/M	CT	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE				
9201000	MANUF DIRECTED ST Manufacturing Directed Study	11-12	/M	CT	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	/							
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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I15060R	INDMANUF TECH - APPR Industrial Manufacturing Technician - Apprenticeship	30,31	/		
J10040R	ADV COMPOSITES-APPR Advanced Composites - Apprenticeship	30,31	/		
⌘J40010R	BIOMED TECH - APPR Biomedical Equipment Technician - Apprenticeship	30, 31	/		
J47030R	PUMP SERVICER - APPR Pump Servicer - Apprenticeship	30,31	/		
P10010R	SHIPFITTER - APPR Shipfitter - Apprenticeship	30,31	/		

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MARKETING, SALES & SERVICES CAREER CLUSTER
MANAGEMENT & ENTREPRENEURSHIP CAREER PATH (MKPA)  
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8812100	ENTREPRENEURSHIP Entrepreneurship	9-12	/					
8812110	PRIN OF ENTREPRENEUR Principles of Entrepreneurship/ Level 2	9-12	/Y	CT	1.0	BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TC COOP E@7 VOE @7		
8812120	BUSINESS MGMT & LAW Business Management and Law/Level 3	9-12	/Y	CT	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	CT	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		



## 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	CAREER AND TECHNICAL EDUCATION PROGRAMS & COURSES BY CAREER CLUSTER	
M200500	MKT MGMT & ENTREN Marketing, Management and Entrepreneurial Principles	30,31	/				
MKA0432	SALESPERSON RETAIL Salesperson Retail	30,31	/Y	CT	2.0	ADVR PROM 7 G BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TC COOP E@7 VOE @7	
MKA0010	MARKETING MANAGER Marketing Manager	30,31	/Y	CT	1.0	ADVR PROM 7 G BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TC COOP E@7 VOE @7	
MKA0091	(ENTREP) GEN MGR (Entrepreneur) General Manager	30,31	/Y	CT	1.0	ADVR PROM 7 G BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TC COOP E@7 VOE @7	
----- 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	CT	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	CT	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	CT	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	CT	1.0	MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G 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 GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION			
8827110	MARKETING ESSENTIALS Marketing Essentials/Level 2	9-12	/Y CT	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 CT	1.0	MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G BUS ED 1			
8827120	MARKETING APPS Marketing Applications/Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	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 CT	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 CT	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 CT	1.0	BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G ADVR PROM 7 G TC COOP E@7			

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8827120	MARKETING APPS Marketing Applications/Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
8827130	MARKETING MANAGEMENT Marketing Management/Level 2	9-12	/Y CT	1.0	ADVR PROM 7 G BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
8812000	BUSINESS OWNERSHIP Business Ownership/Level 3	9-12	/Y CT	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	/S CT	0.5	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE		
M200100	REAL EST SLS ASSC PL Real Estate Sales Associate Post Licensing	30,31	/				
REE0089	REAL EST SALES ASSC Real Estate Sales Associate Post Licensing	30,31	/S CT	0.5	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 CT	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 CT	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 CT	1.0	ADVR PROM 7 G BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		

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8827120	MARKETING APPS Marketing Applications/Level 2	9-12	/Y CT	1.0	BUS ED 1 @2 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
8827430	SPRT REC ENT MKT MGM Sport, Recreation, and Entertainment Marketing Management/Level 3	9-12	/Y CT	1.0	ADVR PROM 7 G BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
8827440	SPRT REC ENT INTERN Sport, Recreation, and Entertainment Internship/Level 2	9-12	/Y CT	1.0	ADVR PROM T G BUS ED 1 MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
8800410	MARKETING COOP-OJT Marketing Cooperative Education- OJT /Level 2	9-12	/M CT	MULTIPLE	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)							
8848100	CUSTOMER SERVICE REP Customer Service Representative	9-12	/				
8848110	CUSTOMER SERV REPR 1 Customer Service Representative 1/ Level 2	9-12	/Y CT	1.0	ADVR PROM 7 G BANK FINC@7 7 G BUS ED 1 @2 HOTEL TRNG7 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 CT	1.0	ADVR PROM 7 G BANK FINC@7 7 G BUS ED 1 @2 HOTEL TRNG7 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 CT	1.0	ADVR PROM 7 G BANK FINC@7 7 G BUS ED 1 @2 HOTEL TRNG7 G INSURANCE 7 G MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TRANSPORT 7 G		

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8848140	CUSTOMER SERV REPR 4 Customer Service Representative 4/ Level 2	9-12	/Y CT	1.0	ADVR PROM 7 G BANK FINC@7 7 G BUS ED 1 @2 HOTEL TRNG7 G INSURANCE 7 G MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G TRANSPORT 7 G		
----- DISTRIBUTION & LOGISTICS CAREER PATH (MKPF) -----							
M812040	DIST & LOG MGMT Distribution and Logistics Management	30,31	/				
MNA0088	CUST SERVICE SPEC Customer Service Specialist	30,31	/Y CT	1.5	MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
MKA0631	BILLING CLERK Billing Clerk	30,31	/Y CT	1.5	MKTG 1 MKTG MGMT 7 G RETAILING@7 7 G		
MKA0632	STOCK CLERK Stock Clerk	30,31	/Y CT	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 CT	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	/Y		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	ORIEN 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 CT	MULTIPLE	MKTG 1 @2 BUS ED 1 RETAILING @7 7 G	ADVR PROM KTG MGMT	7 G 7 G

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8800100	MKT DIR STUDY Marketing Directed Study	11-12	/M CT	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

## |TRANSPORTATION, DISTRIBUTION &amp; LOGISTICS CAREER CLUSTER|

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

I470604	MANUF-SPEC AUTO SVC Manufacturer Specific Automotive Service Technology	30,31	/		
AER0011	AUTO MAINT TECH Automotive Maintenance Technician	30,31	/Y	CT	1.0 AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0118	ADV ENG RPR TECH Advanced Engine Repair Technician	30,31	/Y	CT	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	CT	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	CT	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	CT	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	CT	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	CT	3.0 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	CT	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	CT	3.0 AUTO IND @7 %7 %G AUTO MECH@7 7 G
T600100	MANUF-SPEC AUTO SVC 1 Manufacturer Specific Automotive Service Technology 1	30,31	/		
AER0011	AUTO MAINT TECH Automotive Maintenance Technician	30,31	/Y	CT	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	CT	3.0 AUTO IND @7 %7 %G AUTO MECH@7 7 G

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T600200	MANUF-SPEC AUTO SVC 2 Manufacturer Specific Automotive Service Technology 2	30,31	/		
AER0118	ADV ENG RPR TECH Advanced Engine Repair Technician	30,31	/Y CT	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 CT	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 CT	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 CT	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 CT	1.0	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 CT	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 CT	3.0	AUTO IND @7 %7 %G 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 CT	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 CT	1.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G
9514030	COLL PAINT/REF ASST2 Automotive Collision Paint and Refinishing Assistant2/Level 2	9-12	/Y CT	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 CT	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 CT	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 CT	1.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G
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 CT	1.0	AUTO IND @7 %7 %G AUTO BODY@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		
ARR0141	COLL REFINISHING TEC Automotive Collision Refinishing Technician	30,31	/Y CT	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 CT	2.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G		
ARR0022	DAMAGE ANALYSIS/EST Damage Analysis and Estimating	30,31	/S CT	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 CT	0.5	AUTO IND @7 %7 %G AUTO BODY@7 7 G		
ARR0295	STRUCT DAMAGE REPAIR Structural Damage Repair Technician	30,31	/Y CT	2.0	AUTO IND @7 %7 %G AUTO BODY@7 7 G		
T400720	AUTO ELECTRICAL TEC Automotive Electrical Technician	30,31	/				
AER0014	AUTO SERVICES ASST Automobile Services Assistor	30,31	/Y CT	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 CT	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 CT	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G		
T400730	AUTO GEN SERV TECH Automotive General Service Technician	30,31	/				
AER0014	AUTO SERVICES ASST Automobile Services Assistor	30,31	/Y CT	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G		
AER0418	AUTO BRAKE SYS TECH Automotive Brake System Technician	30,31	/Y CT	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 CT	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G		
AER0110	ENGN RPR TECH Engine Repair Technician	30,31	/Y CT	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G		
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 CT	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 CT	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 CT	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 CT	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	COURSES MEETING SUBJECT AREA		CREDIT	GRADUATION			CERTIFICATION
			REQUIREMENTS						
9504150	AUTO MAINT/LT RPR 5 Automotive Maintenance and Light Repair 5/Level 3	9-12	/Y	CT	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	CT	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	CT	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	CT	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	CT	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	CT	1.0	AUTO IND @7	%7	%G	AUTO MECH@7 7 G
I470608	MASTER AUTO SVC TECH Master Automotive Service Technology	30,31	/						
AER0014	AUTO SERVICES ASST Automobile Services Assistor	30,31	/Y	CT	2.0	AUTO MECH@7	7	G	AUTO IND @7 %7 %G
AER0110	ENGN RPR TECH Engine Repair Technician	30,31	/Y	CT	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	CT	1.0	AUTO IND @7	%7	%G	AUTO MECH@7 7 G
AER0274	MAN DRIVETRAIN/AXLE Manual Drivetrain/Axle Technician	30,31	/Y	CT	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	CT	1.0	AUTO IND @7	%7	%G	AUTO MECH@7 7 G
AER0418	AUTO BRAKE SYS TECH Automotive Brake System Technician	30,31	/Y	CT	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	CT	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	CT	1.0	AUTO IND @7	%7	%G	AUTO MECH@7 7 G
AER0503	AUTO ENGN PERF TECH Automotive Engine Performance Technician	30,31	/Y	CT	2.0	AUTO MECH@7	7	G	AUTO IND @7 %7 %G
T400700	MASTER AUTO SVC TECH 1 Master Automotive Service Technology 1	30,31	/						
AER0014	AUTO SERVICES ASST Automobile Services Assistor	30,31	/Y	CT	2.0	AUTO MECH@7	7	G	AUTO IND @7 %7 %G

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			GRADUATION REQUIREMENTS			
AER0418	AUTO BRAKE SYS TECH Automotive Brake System Technician	30,31	/Y	CT	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	CT	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	CT	2.0	AUTO MECH@7 7 G AUTO IND @7 %7 %G
AER0110	ENGN RPR TECH Engine Repair Technician	30,31	/Y	CT	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
T400800	MASTER AUTO SVC TECH 2 Master Automotive Service Technology 2	30,31	/			
AER0503	AUTO ENGN PERF TECH Automotive Engine Performance Technician	30,31	/Y	CT	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	CT	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0274	MAN DRIVETRAIN/AXLE Manual Drivetrain/Axle Technician	30,31	/Y	CT	1.0	AUTO IND @7 %7 %G AUTO MECH@7 7 G
AER0172	AUTO HEAT&AC TECH Automotive Heating and Air Conditioning Technician	30,31	/Y	CT	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	CT	3.0	AIR MECH @7 7 G
AMT0765	AV MAINT AF TECH 1 Aviation Maintenance Airframe Technician 1	30,31	/Y	CT	3.0	AIR MECH @7 7 G
AMT0766	AV MAINT AF TECH 2 Aviation Maintenance Airframe Technician 2	30,31	/Y	CT	3.0	AIR MECH @7 7 G
9540700	AVIATION ASSEMB/FAB Aviation Assembly and Fabrication	9-12	/			
9540610	PRIVATE PILOT GROUND Private Pilot Ground School/Level 3	9-12	/Y	CT	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	CT	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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			GRADUATION REQUIREMENTS			
9540720	AVIATION ASSEMB TEC2 Aviation Assembly Technician 2/ Level 3	9-12	/Y	CT	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	CT	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 PILOT GROUND Private Pilot Ground School/Level 3	9-12	/Y	CT	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	CT	1.0	AIR MECH @7 7 G
8715120	AVIATION MAINT GEN 2 Aviation Maintenance General 2/ Level 3	9-12	/Y	CT	1.0	AIR MECH @7 7 G
8715130	AVIATION MAINT GEN 3 Aviation Maintenance General 3/ Level 3	9-12	/Y	CT	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	CT	3.0	AIR MECH @7 7 G
AMT0775	AV POWERPLANT TECH 1 Aviation Maintenance Powerplant Technician 1	30,31	/Y	CT	3.0	AIR MECH @7 7 G
AMT0776	AV POWERPLANT TECH 2 Aviation Maintenance Powerplant Technician 2	30,31	/Y	CT	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	CT	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G
9504320	AVIONICS FUND 2 Avionics Fundamentals 2/Level 3	9-12	/Y	CT	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G
9504330	AVIONICS FUND 3 Avionics Fundamentals 3/Level 3	9-12	/Y	CT	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G
9504340	AVIONICS FUND 4 Avionics Fundamentals 4/Level 3	9-12	/Y	CT	1.0	AVIONICS @7 7 G ELECTRONI@7 7 G
9504350	AVIONICS FUND CAP Avionics Fundamentals Capstone/ Level 3	9-12	/Y	CT	1.0	AVIONICS @7 7 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		
T400310	AVIONICS SYS TECH Avionics Systems Technician	30,31	/				
AVS0680	BASIC ELEC WIRE INST Basic Electronics Wiring Installer/ Technician	30,31	/Y	CT	1.0	AVIONICS @7 ELECTRONI@7	7 G 7 G
AVS0681	ELECT SYSTEMS TECH Electrical Systems Technician	30,31	/Y	CT	1.0	AVIONICS @7 ELECTRONI@7	7 G 7 G
AVS0682	ANALOG CIRCUITS TECH Analog Circuits Technician	30,31	/Y	CT	1.0	AVIONICS @7 ELECTRONI@7	7 G 7 G
AVS0683	AIRCRAFT ELECT TECH Aircraft Electronics Technician	30,31	/Y	CT	1.0	AVIONICS @7 ELECTRONI@7	7 G 7 G
AVS0684	AVIONICS INSTALL/TEC Avionics Installer/Technician	30,31	/Y	CT	2.0	AVIONICS @7 ELECTRONI@7	7 G 7 G
AVS0685	ADV AVIONICS INSTALL Advanced Avionics Installer/Technician	30,31	/Y	CT	2.0	AVIONICS @7 ELECTRONI@7	7 G 7 G
T440400	DIESEL MAINT TECH Diesel Maintenance Technician	30,31	/				
DIM0101	DSL ENGN MEC/TEC HLP Diesel Engine Mechanic/Technician Helper	30,31	/Y	CT	1.0	DIESEL ME@7	7 G
DIM0131	DIESEL AIRBRAKE TECH Diesel Air Brake Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7 G
DIM0153	DIESEL MAINT TECH Diesel Preventative Maintenance Technician	30,31	/Y	CT	2.0	DIESEL ME@7	7 G
9504400	DIESEL MAINT TECH Diesel Maintenance Technology	9-12	/				
8742010	DIESEL ENGINE SER 1 Diesel Engine Service 1/Level 3	9-12	/Y	CT	1.0	DIESEL ME@7	7 G
9504410	DIESEL MAINT TECH 1 Diesel Maintenance Technology 1/ Level 2	9-12	/Y	CT	1.0	DIESEL ME@7	7 G
9504420	DIESEL MAINT TECH 2 Diesel Maintenance Technology 2/ Level 3	9-12	/Y	CT	1.0	DIESEL ME@7	7 G
9504430	DIESEL MAINT TECH 3 Diesel Maintenance Technology 3/ Level 3	9-12	/Y	CT	1.0	DIESEL ME@7	7 G
I470605	DIESEL SYS TECH Diesel Systems Technician	30,31	/				
DIM0101	DSL ENGN MEC/TEC HLP Diesel Engine Mechanic/Technician Helper	30,31	/Y	CT	1.0	DIESEL ME@7	7 G
DIM0102	DSL ELEC & ELECT TEC Diesel Electrical and Electronics Technician	30,31	/Y	CT	2.0	DIESEL ME@7	7 G
DIM0103	DSL ENG PREV MAINT Diesel Engine Preventative Maintenance Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7 G

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			GRADUATION REQUIREMENTS			CERTIFICATION		
DIM0104	DIESEL ENGINE TECH Diesel Engine Technician	30,31	/Y	CT	2.0	DIESEL ME@7	7	G
DIM0105	DIESEL BRAKES TECH Diesel Brakes Technician	30,31	/Y	CT	2.0	DIESEL ME@7	7	G
DIM0106	DSL HEAT & AC TECH Diesel Heating and Air Conditioning Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0107	DSL STEER & SUSP TEC Diesel Steering and Suspension Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0108	DSL DRIVETRAIN TECH Diesel Drivetrain Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0109	DIESEL HYDRA TECH Diesel Hydraulics Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
T650100	DIESEL SYS TECH 1 Diesel Systems Technician 1	30,31	/					
DIM0101	DSL ENGN MEC/TEC HLP Diesel Engine Mechanic/Technician Helper	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0102	DSL ELEC & ELECT TEC Diesel Electrical and Electronics Technician	30,31	/Y	CT	2.0	DIESEL ME@7	7	G
DIM0104	DIESEL ENGINE TECH Diesel Engine Technician	30,31	/Y	CT	2.0	DIESEL ME@7	7	G
DIM0105	DIESEL BRAKES TECH Diesel Brakes Technician	30,31	/Y	CT	2.0	DIESEL ME@7	7	G
T650200	DIESEL SYS TECH 2 Diesel Systems Technician 2	30,31	/					
DIM0103	DSL ENG PREV MAINT Diesel Engine Preventative Maintenance Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0106	DSL HEAT & AC TECH Diesel Heating and Air Conditioning Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0107	DSL STEER & SUSP TEC Diesel Steering and Suspension Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0108	DSL DRIVETRAIN TECH Diesel Drivetrain Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0109	DIESEL HYDRA TECH Diesel Hydraulics Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G

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			GRADUATION REQUIREMENTS			
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	CT	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	CT	1.0	BUS ED 1 LOG TECH 7 G
9503120	INTRO TO IT APPS Introduction to Information Technology Applications/Level 3	9-12	/Y	CT	1.0	BUS ED 1 LOG TECH 7 G
9503130	GLOBAL LOG OPS Global Logistics Operations/Level 3	9-12	/Y	CT	1.0	BUS ED 1 LOG TECH 7 G
9503140	GLOBAL LOG MGMT Global Logistics Management/Level 3	9-12	/Y	CT	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	CT	1.0	BUS ED 1 LOG TECH 7 G
TRA0181	MATERIAL HANDLER Material Handler	30,31	/Y	CT	1.0	BUS ED 1 LOG TECH 7 G
OTA0040	INFO TECH ASSISTANT Information Technology Assistant	30,31	/Y	CT	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	CT	1.0	BUS ED 1 LOG TECH 7 G
TRA0183	LOGISTICS TECH Logistics Technician	30,31	/Y	CT	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	CT	1.0	OPER ENGR@7 7 G
TRA0086	TRACTOR OPERATOR Tractor Operator	30,31	/Y	CT	1.0	OPER ENGR@7 7 G

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			GRADUATION REQUIREMENTS			CERTIFICATION		
TRA0087	OFFRD EQUIP OP 1 Off-road Equipment Operator 1	30,31	/Y	CT	2.0	OPER ENGR@7	7	G
TRA0088	OFFRD EQUIP OP 2 Off-road Equipment Operator 2	30,31	/Y	CT	2.0	OPER ENGR@7	7	G
TRA0049	CRANE OPERATOR Crane Operator	30,31	/Y	CT	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	CT	1.0	DIESEL ME@7	7	G
DIM0102	DSL ELEC & ELECT TEC Diesel Electrical and Electronics Technician	30,31	/Y	CT	2.0	DIESEL ME@7	7	G
DIM0103	DSL ENG PREV MAINT Diesel Engine Preventative Maintenance Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0104	DIESEL ENGINE TECH Diesel Engine Technician	30,31	/Y	CT	2.0	DIESEL ME@7	7	G
DIM0130	DIESEL BRAKES/FLUID Diesel Brakes/Fluid Technician	30,31	/Y	CT	2.0	DIESEL ME@7	7	G
DIM0106	DSL HEAT & AC TECH Diesel Heating and Air Conditioning Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0107	DSL STEER & SUSP TEC Diesel Steering and Suspension Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0108	DSL DRIVETRAIN TECH Diesel Drivetrain Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0110	DIESEL POWER TR TECH Diesel Power Train Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
T400210	MARINE SERVICE TECH Marine Service Technologies	30,31	/					
MTE0003	MARINE RIGGER Marine Rigger	30,31	/Y	CT	2.0	DIESEL ME@7 GASENG RP@7	7 7	G G
MTE0090	OUTBOARD ENGINE TECH Outboard Engine Technician	30,31	/Y	CT	2.0	DIESEL ME@7 GASENG RP@7	7 7	G G
MTE0074	OUTBOARD ENG DIAG Outboard Engine Diagnostics Technician	30,31	/Y	CT	1.0	DIESEL ME@7 GASENG RP@7	7 7	G G
MTE0092	INBOARD GAS ENG TECH Inboard Gas Engine Technician	30,31	/Y	CT	2.0	DIESEL ME@7 GASENG RP@7	7 7	G G
MTE0093	DRIVE TRAIN TECH Drive Train Technician	30,31	/Y	CT	1.0	DIESEL ME@7 GASENG RP@7	7 7	G G
MTE0056	INBOARD DIESEL TECH Inboard Diesel Technician	30,31	/Y	CT	1.0	DIESEL ME@7 GASENG RP@7	7 7	G G
9540500	MOTORCYCLE SERV TECH Motorcycle Service Technologies	9-12	/					
8766110	MOTORCYCLE SERVICE 1 Motorcycle Service 1/Level 2	9-12	/Y	CT	1.0	MOTORCYCL@7	7	G

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8766120	MOTORCYCLE SERVICE 2 Motorcycle Service 2/Level 2	9-12	/Y	CT	1.0	MOTORCYCL@7	7	G	
8766130	MOTORCYCLE SERVICE 3 Motorcycle Service 3/Level 2	9-12	/Y	CT	1.0	MOTORCYCL@7	7	G	
8766140	MOTORCYCLE SERVICE 4 Motorcycle Service 4/Level 2	9-12	/Y	CT	1.0	MOTORCYCL@7	7	G	
8766150	MOTORCYCLE SERVICE 5 Motorcycle Service 5/Level 2	9-12	/Y	CT	1.0	MOTORCYCL@7	7	G	
8766160	MOTORCYCLE SERVICE 6 Motorcycle Service 6/Level 2	9-12	/Y	CT	1.0	MOTORCYCL@7	7	G	
8766170	MOTORCYCLE SERVICE 7 Motorcycle Service 7/Level 2	9-12	/Y	CT	1.0	MOTORCYCL@7	7	G	
8766180	MOTORCYCLE SERVICE 8 Motorcycle Service 8/Level 2	9-12	/Y	CT	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	CT	1.0	DIESEL ME@7	7	G	
9504220	OUTBOARD MARINE 2 Outboard Marine Service 2/Level 3	9-12	/Y	CT	1.0	DIESEL ME@7	7	G	
9504230	OUTBOARD MARINE 3 Outboard Marine Service 3/Level 3	9-12	/Y	CT	1.0	DIESEL ME@7	7	G	
9504240	OUTBOARD MARINE 4 Outboard Marine Service 4/Level 3	9-12	/Y	CT	1.0	DIESEL ME@7	7	G	
9504250	ADV MARINE TECH 1 Advanced Marine Technology 1/Level 3	9-12	/Y	CT	1.0	DIESEL ME@7	7	G	
9504260	ADV MARINE TECH 2 Advanced Marine Technology 2/Level 3	9-12	/Y	CT	1.0	DIESEL ME@7	7	G	
9504270	OUTBOARD MARINE CAP Outboard Marine Service Capstone/ Level 3	9-12	/Y	CT	1.0	DIESEL ME@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	CT	2.0	GASENG RP@7	7	G	
SER0081	POWER EQUIP SRV TEC2 Power Equipment Service Technician 2	30,31	/Y	CT	2.0	GASENG RP@7	7	G	
SER0082	POWER EQUIP SRV TEC3 Power Equipment Service Technician 3	30,31	/Y	CT	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	CT	1.0	GASENG RP@7	7	G	
9504520	POWER & EQUIP TECH 2 Power and Equipment Technology 2/ Level 3	9-12	/Y	CT	1.0	GASENG RP@7	7	G	
9504530	POWER & EQUIP TECH 3 Power and Equipment Technology 3/ Level 3	9-12	/Y	CT	1.0	GASENG RP@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	GRADUATION REQUIREMENTS			CERTIFICATION		
9504540	POWER & EQUIP TECH 4 Power and Equipment Technology 4/ Level 3	9-12	/Y	CT	1.0	GASENG RP@7	7	G	AUTO MECH@7	7	G
9504550	POWER & EQUIP TECH 5 Power and Equipment Technology 5/ Level 3	9-12	/Y	CT	1.0	GASENG RP@7	7	G	AUTO MECH@7	7	G
9504560	POWER & EQUIP TECH 6 Power and Equipment Technology 6/ Level 3	9-12	/Y	CT	1.0	GASENG RP@7	7	G	AUTO MECH@7	7	G
T660100	TRANSIT TECHNICIAN 1 Transit Technician 1	30,31	/								
DIM0810	TRANSIT EQUIP PREV Transit Equipment Preventative Maintenance Technician	30,31	/Y	CT	1.5	DIESEL ME@7	7	G			
DIM0811	TRANSIT BASIC ELEC Transit Basic Electrical Systems Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G			
DIM0812	TRANSIT WHEELCHAIR Transit wheelchair Lift/Ramp Technician	30,31	/S	CT	0.5	DIESEL ME@7	7	G			
DIM0813	TRANSIT DSL ENG PREV Transit Diesel Engine Preventative Maintenance Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G			
DIM0814	TRANSIT STEER & SUSP Transit Steering and Suspension Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G			
T660200	TRANSIT TECHNICIAN 2 Transit Technician 2	30,31	/								
DIM0820	TRANSIT HYDR TECH Transit Hydraulics Technician	30,31	/S	CT	0.5	DIESEL ME@7	7	G			
DIM0821	TRANSIT DIESEL ELEC Transit Diesel Electrical and Diesel Engine Electronics Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G			
DIM0822	TRANSIT DRIVETRAIN Transit Drivetrain Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G			
DIM0823	TRANSIT INTM ELEC Transit Intermediate Electrical Systems Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G			
DIM0824	TRANSIT BRAKES/AIR Transit Brakes/Air System Technician	30,31	/Y	CT	1.5	DIESEL 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	CT	1.0	DIESEL ME@7	7	G			
DIM0831	TRANSIT ADV ELEC SYS Transit Advanced Electrical Systems Technician	30,31	/Y	CT	1.0	DIESEL 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	COURSES MEETING SUBJECT AREA		CREDIT	CAREER CLUSTER		
			GRADUATION REQUIREMENTS					
DIM0832	TRANSIT HEAT & AIR Transit Heating and Air-Conditioning Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0833	TRANS DIAG, REBUILD Transmission Diagnosis, Rebuild and Repair Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
DIM0834	DSL ENG DIAG, REBLD Diesel Engine Diagnosis, Rebuild and Repair Technician	30,31	/Y	CT	1.0	DIESEL ME@7	7	G
9505100	UAS OPERATIONS Unmanned Aircraft Systems (UAS) Operations	9-12	/					
9540610	PRIVATE PIOLT GROUND Private Pilot Ground School/Level 3	9-12	/Y	CT	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	CT	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	CT	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	CT	1.0	AIR MECH @7	7	G
						AVIONICS @7	7	G
						AEROSPACE 7	G	
						ENG TEC 7	G	
						ENG&TEC ED1	@2	
T100100	CONTROL TOWER OPER Control Tower Operator	30,31	/					
ATT0830	AIR TRAFFIC BASICS Air Traffic Basics	30,31	/Y	CT	2.0	AEROSPACE 7	G	
ATT0831	INIT QUAL TRAINING Initial Qualification Training	30,31	/Y	CT	2.0	AEROSPACE 7	G	
ATT0832	FLIGHT DATA Flight Data	30,31	/Y	CT	1.5	AEROSPACE 7	G	
ATT0833	CLEAR DELIVERY Clearance Delivery	30,31	/Y	CT	1.5	AEROSPACE 7	G	
ATT0834	GROUND CONTROL Ground Control	30,31	/Y	CT	1.5	AEROSPACE 7	G	
ATT0835	LOCAL C/C COORD TRNG Local Control/Cab Coordinator Position Training	30,31	/Y	CT	3.0	AEROSPACE 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			
----- 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	CT	1.0	COMM DRIV@7 7 G
8751200	COMMERCIAL FISHING Commercial Fishing	9-12	/			
8751210	COMMERCIAL FISH 1 Commercial Fishing 1/Level 2	9-12	/Y	CT	1.0	COMM FISH 7 G
8751220	COMMERCIAL FISH 2 Commercial Fishing 2/Level 2	9-12	/Y	CT	1.0	COMM FISH 7 G
8751230	COMMERCIAL FISH 3 Commercial Fishing 3/Level 2	9-12	/Y	CT	1.0	COMM FISH 7 G
8751240	COMMERCIAL FISH 4 Commercial Fishing 4/Level 2	9-12	/Y	CT	1.0	COMM FISH 7 G
8751250	COMMERCIAL FISH 5 Commercial Fishing 5/Level 2	9-12	/Y	CT	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	CT	2.0	COMM DRIV@7 7 G
----- SUPPLEMENTAL PROGRAMS -----						
9590400	FUND OF TRANSPORT Fundamentals of Transportation	6-8	/S			AEROSPACE 7 G AUTO MECH @7 7 G GASENG RPR @7 7 G ENG&TEC ED 1 @2 AIR MECH @7 7 G DIESEL MECH @7 7 G LOG TECH 7 G TRANSPORT 7 G
9590350	INTRO TO TRANSPORT Introduction to Transportation, Distribution and Logistics	6-8	/S			AEROSPACE 7 G AUTO MECH @7 7 G GASENG RPR @7 7 G ENG&TEC ED 1 @2 AIR MECH @7 7 G DIESEL MECH @7 7 G LOG TECH 7 G TRANSPORT 7 G
9590360	INTRO TO TRANS & CP Introduction to Transportation, Distribution and Logistics and Career Planning	6-8	/S			AEROSPACE 7 G AUTO MECH @7 7 G GASENG RPR @7 7 G ENG&TEC ED 1 @2 AIR MECH 7 G DIESEL MECH @7 7 G LOG TECH 7 G TRANSPORT 7 G
9500420	TRANSPORTATION OJT Transportation, Distribution and Logistics Cooperative Education OJT	9-12	/M	CT	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE
9501000	TRANSPORT DIR ST Transportation, Distribution and Logistics Directed Study	11-12	/M	CT	MULTIPLE	SEE CURRICULUM FRAMEWORK FOR SPECIFIC CTE COVERAGE

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	/			
I47062R	DIESEL MECHANIC-APPR Diesel Mechanic - Apprenticeship	30,31	/			
T64010R	AV STRUCT& ASSEM-APP Aviation Structures & 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	/			
I49021R	HVY/TRCT TR DR-APPR Heavy and Tractor Trailer Truck Drivers - Apprenticeship	30,31	/			

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ADDITIONAL CAREER AND TECHNICAL EDUCATION PROGRAMS/COURSES

DIVERSIFIED						
8300430	CTE INTERNSHIP Career and Technical Education Internship/Level 2	9-12	/M	CT	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	CT	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE COOR DCT @7 COOP TEACH @7 MKTG @2 1
<sup>a</sup> 8303000	DIV CAREER TECH Diversified Career Technology	9-12	/			
<sup>a</sup> 8303010	DIV CAR TECH PRIN Diversified Career Technology Principles/Level 2	9-12	/M	CT	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE COOP TEAC@7 COOR DCT @7 MKTG @2 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 GRADUATION REQUIREMENTS	CREDIT	CERTIFICATION		
<sup>a</sup> 8300410	DIV CAR TECH-OJT Diversified Career Technology - OJT /Level 2	9-12	/M CT	MULTIPLE	COOP TEAC@7 ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE COOR DCT @7 MKTG @2 1		
<sup>a</sup> 8303020	DIV CAR TECH APPL Diversified Career Technology Applications/Level 2	9-12	/M CT	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE COOP TEAC@7 COOR DCT @7 MKTG @2 1		
<sup>a</sup> 8303030	DIV CAR TECH MGMT Diversified Career Technology Management/Level 2	9-12	/M CT	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 CT	MULTIPLE	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		
<sup>a</sup> 8301600	WORK EXPERIENCE Work Experience	9-12	/				
<sup>a</sup> 8301610	WORK EXPERIENCE 1 Work Experience 1/Level 2	7-12	/Y CT	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER		
<sup>a</sup> 8301620	WORK EXPERIENCE 2 Work Experience 2/Level 2	7-12	/Y CT	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER		
<sup>a</sup> 8301630	WORK EXPERIENCE 3 Work Experience 3/Level 2	7-12	/Y CT	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER		
<sup>a</sup> 8301640	WORK EXPERIENCE 4 Work Experience 4/Level 2	7-12	/Y CT	1.0	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER		
<sup>a</sup> 8301650	WORK EXPERIENCE-OJT Work Experience-OJT/Level 2	7-12	/M CT	MULTIPLE	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER		
<sup>a</sup> 8300310	WKPL ESSENTIALS Workplace Essentials/Level 2	9-12,30,31	/S CT	0.5	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE		
<sup>a</sup> 8300330	WKPL TECH APPL Workplace Technology Applications/ Level 2	9-12,30,31	/S CT	0.5	ANY FIELD WHEN CERT REFLECTS BACHELOR OR HIGHER ANY CTE FIELD OR COVERAGE		
9799999	CTSO EXTRACURRIC ACT Career and Technical student Organization Extracurricular Activities	9-12	/	1.0	NA		
----- INSTRUCTIONAL SUPPORT SERVICES (SPECIAL NEEDS) -----							
9603100	CAR ED SERVICES SWD Career Education Services for Students with Disabilities	6-12	/				

## 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		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
9603110	CAR ED SERVICES SWD1 Career Education Services for Students with Disabilities 1	6-12	/M	CT	1.0	ANY CTE FIELD OR COVERAGE
9603120	CAR ED SERVICES SWD2 Career Education Services for Students with Disabilities 2	6-12	/M	CT	1.0	ANY CTE FIELD OR COVERAGE
9603130	CAR ED SERVICES SWD3 Career Education Services for Students with Disabilities 3	6-12	/M	CT	1.0	ANY CTE FIELD OR COVERAGE
9603140	CAR ED SERVICES SWD4 Career Education Services for Students with Disabilities 4	6-12	/M	CT	1.0	ANY CTE FIELD OR COVERAGE
9603150	CAR ED SERVICES SWD5 Career Education Services for Students with Disabilities 5	6-12	/M	CT	1.0	ANY CTE FIELD OR COVERAGE
9603160	CAR ED SERVICES SWD6 Career Education Services for Students with Disabilities 6	6-12	/M	CT	1.0	ANY CTE FIELD OR COVERAGE
9603170	CAR ED SERVICES SWD7 Career Education Services for Students with Disabilities 7	6-12	/M	CT	1.0	ANY CTE FIELD OR COVERAGE
9603180	CAR ED SERVICES SWD8 Career Education Services for Students with Disabilities 8	6-12	/M	CT	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	CT	1.0	ANY CTE FIELD OR COVERAGE
SLS0464	SPEC CAREER ED ADV2 Specialized Career Education, Advanced 2	30,31	/Y	CT	1.0	ANY CTE FIELD OR COVERAGE
SLS0944	SPEC CAREER ED INTER Specialized Career Education, Internship	30,31	/Y	CT	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	CT	1.0	ANY CTE FIELD OR COVERAGE
SLS0461	SPEC CAREER ED B2 Specialized Career Education, Basic 2	30,31	/Y	CT	1.0	ANY CTE FIELD OR COVERAGE
SLS0462	SPEC CAREER ED B3 Specialized Career Education, Basic 3	30,31	/Y	CT	1.0	ANY CTE FIELD OR COVERAGE
S990007	SPEC CAREER INS COMP Specialized Career Instruction - Comprehensive	30,31	/			
SLS0460	SPEC CAREER ED B1 Specialized Career Education, Basic 1	30,31	/Y	CT	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		CREDIT	CERTIFICATION
			GRADUATION REQUIREMENTS			
SLS0461	SPEC CAREER ED B2 Specialized Career Education, Basic 2	30,31	/Y	CT	1.0	ANY CTE FIELD OR COVERAGE
SLS0462	SPEC CAREER ED B3 Specialized Career Education, Basic 3	30,31	/Y	CT	1.0	ANY CTE FIELD OR COVERAGE
SLS0463	SPEC CAREER ED ADV1 Specialized Career Education, Advanced 1	30,31	/Y	CT	1.0	ANY CTE FIELD OR COVERAGE
SLS0464	SPEC CAREER ED ADV2 Specialized Career Education, Advanced 2	30,31	/Y	CT	1.0	ANY CTE FIELD OR COVERAGE
SLS0944	SPEC CAREER ED INTER Specialized Career Education, Internship	30,31	/Y	CT	1.0	ANY CTE FIELD OR COVERAGE
9001920	VOC/EMP SKLS/YOUTH Vocational Employability skills for Youth	6-12	/M	CT	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	CT	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			
E91010X	CWE - ENERGY Continuing Workforce Education - Energy	30,31	/M			
E91010S	CWE - ENG & TECH Continuing Workforce Education - Engineering and Technology	30,31	/M			

## SECTION 5

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

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