

## BASIC SKILLS AND LICENSURE EXEMPTION LIST 2017-2018

*Licensure exemptions are listed as Certification Codes from the Division of Career and Adult Education Industry Certification Descriptions. If a student is unable to meet the basic skills requirements on the post-test for basics skills requirements, they may sit for one of the related exams listed below and if they earn that industry certification, they may be counted as a program completer (s. 1004.91, F.S.).*

<b>Title</b>	<b>Program #</b>	<b>Career Cluster</b>	<b>15-16 Math</b>	<b>15-16 Lang</b>	<b>15-16 Read</b>	<b>16-17 Math</b>	<b>16-17 Lang</b>	<b>16-17 Read</b>	<b>17-18 Math</b>	<b>17-18 Lang</b>	<b>17-18 Read</b>	<b>Certification Code Form</b> <a href="http://www.fl DOE.org/core/fileparse.php/7521/urlt/1617ClockHourInvent.pdf">http://www.fl DOE.org/core/fileparse.php/7521/urlt/1617ClockHourInvent.pdf</a>
<b>.NET Application Development &amp; Programming</b>	Y700400	IT	9	9	9	9	9	9	9	9	9	
<b>3-D Animation Technology</b>	I480200	Arts, A/V Technology & Communication	10	10	10	10	10	10	10	10	10	NOCTI034
<b>Accounting Operations</b>	B070110	Business Management & Administration	9	9	9	9	9	9	10	10	10	AIOPB001, INTUT001
<b>Administration Office Specialist</b>	B070330	Business Management & Administration	10	10	10	10	10	10	10	10	10	MICRO017, MICRO069
<b>Advanced Automotive Service Technology 1</b>	T600100	Transportation, Distribution & Logistics	10	10	10	10	10	10	10	10	10	FLADA001, NIASE002, NIASE008, NIASE076
<b>Advanced Automotive Service Technology 2</b>	T600200	Transportation, Distribution & Logistics	10	10	10	10	10	10	10	10	10	FLADA001, NIASE002, NIASE005, NIASE007, NIASE009, NIASE010, NIASE011, NIASE012, NIASE014, NIASE076
<b>Advanced Automotive Technology</b>	I470604	Transportation, Distribution & Logistics	10	10	10	10	10	10	10	10	10	FLADA001, NIASE002, NIASE005, NIASE007, NIASE008, NIASE009, NIASE010, NIASE011, NIASE012, NIASE014, NIASE076
<b>Advanced Esthetics</b>	D500200	Human Services	8	8	9	8	8	9	8	8	9	
<b>Advanced Floral Design and Management</b>	A120200	Agriculture, Food and Natural Resources	9	9	9	9	9	9	Daggered for Deletion			

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<b>Advanced Manufacturing and Production Technology</b>	J100200	Manufacturing	NA	NA	NA	NA	NA	NA	9	9	9	ADESK002, ADESK011, ADESK021, ADESK024, CNCSI001, CNCSI002, FLENG001, IHKBZ001, IHKBZ002, IHKBZ003, IHKBZ004, IHKBZ005, INSOC002, INSOC005, MANSI001, MSSCN001, NCCER084, NCCER085, NCCER086, NCCER266, NCCER267, NIFMS001, NIFMS002, NIFMS003, NIFMS004, NIFMS007, NIFMS008, NIFMS010, NIFMS012, NIFMS013, NIFMS014, NIFMS015, NIFMS016, NIFMS017, NIFMS018, NIFMS019, NIFMS020, SOLID003, SOLID004
<b>Advanced Water Treatment Technologies</b>	P150509	Agriculture, Food and Natural Resources	9	9	9	9	9	9	9	9	9	
<b>Air Conditioning, Refrigeration and Heating Technology</b>	I470203	Architecture & Construction	10	9	9	10	9	9	10	9	9	HVACE001, HVACE002, HVACE003, HVACE004, HVACE005, HVACE006, HVACE011, NATEX001, NATEX002, NATEX003, NATEX004, NATEX005, NATEX006, NATEX007, NCCER222
<b>Air Conditioning, Refrigeration and Heating Technology 1</b>	C400100	Architecture & Construction	10	9	9	10	9	9	10	9	9	HVACE001, HVACE002, HVACE003, HVACE004, HVACE005, HVACE006, HVACE011, NATEX001, NATEX002, NATEX003, NATEX004, NATEX005, NATEX006, NATEX007, NCCER220
<b>Air Conditioning, Refrigeration and Heating Technology 2</b>	C400200	Architecture & Construction	10	9	9	10	9	9	10	9	9	HVACE001, HVACE002, HVACE003, HVACE004, HVACE005, HVACE006, HVACE011, NATEX001, NATEX002, NATEX003, NATEX004, NATEX005, NATEX006, NATEX007, NCCER222,
<b>Aircraft Airframe Mechanics</b>	I470612	Transportation, Distribution & Logistics	10	9	10	Daggered for deletion						FEDAA004
<b>Aircraft Coating and Corrosion Control Technology</b>	T400300	Transportation, Distribution & Logistics	10	9	10	10	9	10	10	9	10	

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<b>Aircraft Power Plant Mechanics</b>	I470622	Transportation, Distribution & Logistics	10	9	10	Daggered for deletion						FEDAA010
<b>Alternative Fuels Technology</b>	T401200	Transportation, Distribution & Logistics	NA	NA	NA	10	10	10	10	10	10	NIASE053, NIASE061
<b>Applied Cybersecurity</b>	Y100300	IT	10	9	9	10	9	9	10	9	9	COMPT001, COMPT006, COMPT008
<b>Applied Information Technology</b>	Y300400	IT	9	9	9	9	9	9	9	9	9	
<b>Applied Welding Technologies</b>	I480500	Manufacturing	Daggered for deletion									AWELD001, NCCER061, NCCER062, NCCER063
<b>Automation &amp; Production Technology</b>	J100100	Manufacturing	9	9	9	9	9	9	Daggered for Deletion			INSOC002, INSOC003, INSOC004, INSOC005, MANSI001, MSSCN00
<b>Automotive CNG/LPG Technology</b>	T401100	Transportation, Distribution & Logistics	NA	NA	NA	10	9	9	10	9	9	NIASE009, NIASE010, NIASE023, NIASE025, NIASE053, NIASE061
<b>Automotive Collision Repair and Refinishing</b>	I470603	Transportation, Distribution & Logistics	9	9	9	9	9	9	Daggered for Deletion			NIASE017, NIASE018, NIASE019, NIASE029, NIASE032
<b>Automotive Collision Repair and Refinishing 1</b>	T400100	Transportation, Distribution & Logistics	9	9	9	9	9	9	Daggered for Deletion			NIASE017, NIASE018, NIASE019
<b>Automotive Collision Repair and Refinishing 2</b>	T400200	Transportation, Distribution & Logistics	9	9	9	9	9	9	Daggered for Deletion			NIASE029, NIASE032
<b>Automotive Collision Technology Technician</b>	T401300	Transportation, Distribution & Logistics	NA	NA	NA	NA	NA	NA	9	9	9	NIASE017, NIASE018, NIASE019, NIASE029, NIASE032
<b>Automotive Customer Service Advisor</b>	T400910	Transportation, Distribution & Logistics	NA	NA	NA	NA	NA	NA	10	9	10	FLADA001, NIASE13, NIASE076

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<b>Automotive Detailing and Reconditioning</b>	I470623	Transportation, Distribution & Logistics	9	9	9	Daggered for deletion						
<b>Automotive Drivetrain Technician</b>	T400710	Transportation, Distribution & Logistics	NA	NA	NA	NA	NA	NA	10	9	9	FLADA001, NIASE005, NIASE010, NIASE012, NIASE076
<b>Automotive Electrical Technician</b>	T400720	Transportation, Distribution & Logistics	NA	NA	NA	NA	NA	NA	10	9	9	FLADA001, NIASE008, NIASE011, NIASE076
<b>Automotive General Service Technician</b>	T400730	Transportation, Distribution & Logistics	NA	NA	NA	NA	NA	NA	10	9	9	FLADA001, NIASE010, NIASE014, NIASE016, NIASE076
<b>Automotive Maintenance and Light Repair Technician</b>	T404100	Transportation, Distribution & Logistics	NA	NA	NA	NA	NA	NA	10	9	9	FLADA001, NIASE076
<b>Automotive Performance Technician</b>	T400740	Transportation, Distribution & Logistics	NA	NA	NA	NA	NA	NA	10	9	9	FLADA001, NIASE008, NIASE009, NIASE010, NIASE076
<b>Automotive Service Technology</b>	I470608	Transportation, Distribution & Logistics	10	9	9	10	9	9	10	9	9	FLADA001, NIASE002, NIASE005, NIASE007, NIASE008, NIASE009, NIASE010, NIASE011, NIASE012, NIASE014, NIASE076
<b>Automotive Service Technology 1</b>	T400700	Transportation, Distribution & Logistics	10	9	9	10	9	9	10	9	9	FLADA001, NIASE002, NIASE007, NIASE008, NIASE010, NIASE014, NIASE076
<b>Automotive Service Technology 2</b>	T400800	Transportation, Distribution & Logistics	10	9	9	10	9	9	10	9	9	FLADA001, NIASE002, NIASE005, NIASE009, NIASE011, NIASE012, NIASE076
<b>Aviation Airframe Mechanics</b>	T640300	Transportation, Distribution & Logistics	NA	NA	NA	10	9	10	10	9	10	FEDAA002, FEDAA004

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<b>Aviation Powerplant Mechanics</b>	T640400	Transportation, Distribution & Logistics	NA	NA	NA	10	9	10	10	9	10	FEDAA002, FEDAA010
<b>Avionics</b>	I470199	Transportation, Distribution & Logistics	10	10	10	Daggered for deletion						ETAIN006, NCATT001
<b>Avionics 1</b>	T640100	Transportation, Distribution & Logistics	10	10	10	Daggered for deletion						ETAIN006, NCATT001
<b>Avionics 2</b>	T640200	Transportation, Distribution & Logistics	10	10	10	Daggered for deletion						ETAIN006, NCATT001
<b>Avionics Systems Technician</b>	T400310	Transportation, Distribution & Logistics	NA	NA	NA	10	10	10	10	10	10	ETAIN006, ETAIN008, ISCET002, NCATT001
<b>Avionics Technology</b>	T400300	Transportation, Distribution & Logistics	10	10	10	Daggered for deletion						
<b>Baking and Pastry Arts</b>	N100600	Hospitality & Tourism	9	9	9	9	9	9	9	9	9	IFSEA001, NRAEF003, NRAEF001, NRFSP001
<b>Barbering</b>	I120402	Human Services	9	9	9	9	9	9	9	9	9	FLDOP001, FLDOP007
<b>Biomedical Equipment Repair Technology</b>	J400100	Manufacturing	10	10	10	10	10	10	10	10	10	AAMIN001, ETAIN008, ISCET002, NCCER013, NCCER041
<b>Brick and Block Masonry</b>	I463112	Architecture & Construction	9	8	8	9	8	8	9	8	8	NCCER237
<b>Building Construction Technologies</b>	I460401	Architecture & Construction	9	9	9	9	9	9	9	9	9	NCCER207, NCCER254
<b>Building Trades and Construction Design Technology</b>	C100100	Architecture & Construction	9	9	9	9	9	9	9	9	9	ADESK002, NCCER207, NCCER254

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<b>Business Computer Programming</b>	B070320	Information Technology	NA	NA	NA	9	9	9	9	9	9	NOCTI035
<b>Business Management and Analysis</b>	B060200	Business Management & Administration	9	9	9	9	9	9	9	9	9	
<b>Cabinetmaking</b>	I480704	Architecture & Construction	Daggered for deletion									NOCTI019
<b>Cabinetmaking (NEW)</b>	C410400	Architecture & Construction	9	9	9	9	9	9	9	9	9	NOCTI019
<b>Carpentry</b>	I460202	Architecture & Construction	9	9	9	9	9	9	9	9	9	NCCER204, NOCTI018
<b>Carpentry 1</b>	C510100	Architecture & Construction	9	9	9	9	9	9	9	9	9	NCCER202, NCCER203
<b>Carpentry 2</b>	C510200	Architecture & Construction	9	9	9	9	9	9	9	9	9	NCCER204
<b>Central Sterile Processing Technology - PSAV</b>	H170220	Health Science	Daggered for deletion									AHCSM001
<b>Central Sterile Processing Technology (NEW)</b>	H170222	Health Science	9	9	9	9	9	9	9	9	9	AHCSM001
<b>Cloud Computing &amp; Virtualization</b>	Y100400	Information Technology	9	9	9	9	9	9	9	9	9	COMPT001, COMPT006, COMPT014
<b>CNC Production Specialist</b>	J200300	Manufacturing	NA	NA	NA	10	9	9	10	9	9	CNCSI001, CNCSI002, IHKBZ001, IHKBZ005, MSSCN001, NIFMS001, NIFMS002
<b>Commercial Art Technology</b>	I480203	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	

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<b>Commercial Art Technology 1</b>	K600100	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Commercial Art Technology 2</b>	K600200	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Commercial Foods and Culinary Arts/*Professional Culinary Arts and Hospitality</b>	N100500	Hospitality & Tourism	9	9	9	9	9	9	9	9	9	ACFED002, NRFSP001, NRAEF003
<b>Commercial Photography Technology</b>	I480204	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Commercial Photography Technology 1</b>	K610100	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Commercial Photography Technology 2</b>	K610200	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Computer Systems &amp; Information Technology (CSIT)</b>	Y100200	IT	10	9	10	10	9	9	10	9	9	COMPT001, COMPT006, COMPT008
<b>Construction Vehicle Technician</b>	T650500	Transportation, Distribution & Logistics	NA	NA	NA	NA	NA	NA	8	8	8	NCCER218
<b>Cosmetology</b>	D500100	Human Services	8	8	9	8	8	9	8	8	9	FLDOP002
<b>Court Reporting</b>	B070602	Business Management & Administration	Daggered for deletion									

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<b>Court Reporting 2</b>	B700600	Business Management & Administration	10	12	12	10	12	12	10	12	12	NCRAS001
<b>Court Reporting 3</b>	B700700	Business Management & Administration	10	12	12	10	12	12	10	12	12	NCRAS001
<b>Court Reporting Transcriptionist</b>	B600100	Business Management & Administration	10	10	10	10	10	10	10	12	12	NCRAS001
<b>Criminal Justice Operations</b>	P430199	Law, Public Safety & Security	10	10	10	10	10	10	10	10	10	
<b>Culinary Vegetarian and Plant Based Specialty</b>	N100510	Hospitality & Tourism	NA	NA	NA	NA	NA	NA	9	9	9	
<b>Customer Assistance Technology</b>	B079100	Business Management & Administration	9	9	9	9	9	9	9	9	9	
<b>Customer Service Representative</b>	M807060	Marketing, Sales & Services	9	9	9	9	9	9	9	9	9	
<b>Database and Programming Essentials</b>	Y300100	IT	11	11	11	11	11	11	11	11	11	
<b>Database Application Development &amp; Programming</b>	Y700300	IT	9	9	9	9	9	9	9	9	9	
<b>Dental Assisting</b>	H170106	Health Science	10	10	10	10	10	10	10	10	10	DANBD001
<b>Dental Assisting Technology and Management ATD</b>	H170113	Health Science	10	10	10	10	10	10	10	10	10	DANBD001



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<b>Dental Assisting Technology and Management ATD</b>	NA	Health Science	10	10	10	10	10	10	10	10	10	DANBD001
<b>Dental Laboratory Technology</b>	H170103	Health Science	9	9	9	9	9	9	Daggered for Deletion			
<b>Dental Laboratory Technology (NEW)</b>	H170108	Health Science	NA	NA	NA	NA	NA	NA	9	9	9	
<b>Diesel Maintenance Technician</b>	T440400	Transportation, Distribution & Logistics	NA	NA	NA	NA	NA	NA	9	9	9	NIASE016, NIASE031, NIASE056, NIASE060, NIASE071
<b>Digital Audio Production</b>	I100230	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Digital Cinema Production</b>	K100100	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Digital Design</b>	B070600	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Digital Design 1</b>	K700100	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Digital Design 2</b>	K700200	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Digital Media Technology</b>	Y500100	IT	10	10	10	10	10	10	10	10	10	
<b>Digital Media/Multimedia Design</b>	K100200	Arts, A/V Technology & Communication	10	10	10	10	10	10	10	10	10	
<b>Digital Photography Technology</b>	K100300	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	

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<b>Digital Printing Technology</b>	I480205	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Digital Video Production</b>	I100240	Arts, A/V Technology & Communication	9	9	9	9	9	9	Daggered for Deletion			ADOBE018, APPLE016
<b>Digital Video Technology</b>	K100400	Arts, A/V Technology & Communication	NA	NA	NA	NA	NA	NA	9	9	9	ADOBE018, APPLE016
<b>Diversified Career Technology</b>	D886100	Additional Career	9	9	9	9	9	9	9	9	9	
<b>Drafting PSAV</b>	C100200	Architecture & Construction	10	9	9	10	9	9	10	9	9	ADESK002, ADESK008, ADESK021, ADESK025, , AMDDA002, AMDDA003, AMDDA004, AMDDA005,
<b>Dry Cleaning and Laundry</b>	I120101	Human Services	8	8	8	8	8	8	8	8	8	
<b>Early Childhood Education</b>	E300100	Education & Training	9	9	9	9	9	9	9	9	9	Must earn either FLDCF003 OR FLDOE001, AND FLDCF005
<b>E-Commerce Marketing</b>	M899992	Marketing, Sales & Services	9	9	9	9	9	9	9	9	9	
<b>Electrical and instrumentation Technology</b>	I150404	Manufacturing	11	10	10	11	10	10	11	10	10	MSSCN001, NCCER013, NCCER041, NCCER084, NCCER085, NCCER215, NCCER228, NCCER266, NCCER267
<b>Electrical and instrumentation Technology 1</b>	J110100	Manufacturing	11	10	10	11	10	10	11	10	10	MSSCN001, NCCER013, NCCER041, NCCER084, NCCER085, NCCER215, NCCER228, NCCER266, NCCER267,
<b>Electrical and instrumentation Technology 2</b>	J110200	Manufacturing	11	10	10	11	10	10	11	10	10	MSSCN001, NCCER013, NCCER041, NCCER084, NCCER085, NCCER215, NCCER228, NCCER266, NCCER267
<b>Electrical Line Service Repair</b>	I460303	Energy	9	9	9	9	9	9	9	9	9	

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<b>Electrician</b>	I460314	Architecture & Construction	9	9	9	9	9	9	9	9	9	HVACE011, IECON004, NCCER211
<b>Electricity</b>	I460312	Architecture & Construction	9	9	9	9	9	9	9	9	9	HVACE011, IECON004, NCCER211
<b>Electrocardiograph Technology</b>	H170208	Health Science	9	9	9	9	9	9	9	9	9	CCINT001, NATHA002, NCFNT001
<b>Electroneurodiagnostic Technology</b>	H170204	Health Science	10	11	11	10	11	11	10	11	11	
<b>Electronic Business Enterprise</b>	B070100	Business Management & Administration	9	9	9	9	9	9	Daggered for Deletion			
<b>Electronic Systems Technician</b>	J540300	Business Management & Administration	NA	NA	NA	NA	NA	NA	10	9	9	ETAIN006, ETAIN008, ETAIN010, ISCET002, NCARR001, NCCER013, NCCER041, NCCER215
<b>Electronic Technology</b>	I150303	Manufacturing	10	9	9	10	9	9	10	9	9	ETAIN008, ISCET002, NCCER013, NCCER041, NCCER215
<b>Electronic Technology 1</b>	J540100	Manufacturing	10	9	9	10	9	9	10	9	9	ETAIN008, ISCET002, NCCER013, NCCER041, NCCER215
<b>Electronic Technology 2</b>	J540200	Manufacturing	10	9	9	10	9	9	10	9	9	ETAIN008, ISCET002, NCCER013, NCCER041, NCCER215
<b>Energy Generation Technician</b>	X600200	Energy	9	9	9	9	9	9	Daggered for Deletion			
<b>Energy Technician</b>	X600600	Energy	9	9	9	9	9	9	9	9	9	
<b>Enterprise Desktop and Mobile Support Technology</b>	Y300600	IT	NA	NA	NA	NA	NA	NA	10	10	10	
<b>Enterprise Network and server Support Technology</b>	Y300500	IT	NA	NA	NA	NA	NA	NA	10	10	10	
<b>Entrepreneurship</b>	M803010	Marketing, Sales & Services	9	9	9	9	9	9	9	9	9	NOCTI041
<b>Family Health Support Worker ATD</b>	NA	Human Services	10	10	10	10	10	10	10	10	10	

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<b>Family Health Support Worker ATD</b>	H170205	Human Services	10	10	10	Daggered for deletion						
<b>Fashion Marketing</b>	M801020	Marketing, Sales & Services	9	9	9	9	9	9	9	9	9	
<b>Fashion Technology and Design Services</b>	V200400	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	NOCTI003
<b>Fashion Technology and Production Services</b>	K500100	Arts, A/V Technology & Communication	10	10	10	10	10	10	10	10	10	NOCTI003
<b>Film Production Equipment Operations</b>	I110112	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
<b>Finance</b>	M804011	Finance	9	9	9	9	9	9	9	9	9	
<b>Fire Fighter</b>	P430205	Law, Public Safety & Security	Daggered for deletion									
<b>Fire Fighter/ Emergency Medical Technician-Combined</b>	P430215	Law, Public Safety & Security/Health Science	NA	NA	NA	Daggered for deletion						
<b>Fire Fighter/ Emergency Medical Technician-Combined (NEW)</b>	P430216	Law, Public Safety & Security/Health Science	NA	NA	NA	10	10	10	10	10	10	
<b>Floral Design &amp; Marketing</b>	A120100	Agriculture, Food and Natural Resources	9	9	9	9	9	9	Daggered for Deletion			FLSFA001
<b>Gasoline Engine Service Technology</b>	I470606	Transportation, Distribution & Logistics	Daggered for deletion									EAETC001

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<b>Geospatial/Geographic Information System (GIS) Technology</b>	T860020	IT	10	10	10	10	10	10	10	10	10	
<b>Global Finance</b>	F100110	Finance	9	9	9	9	9	9	9	9	9	
<b>Global Logistics and Supply Chain Technology</b>	T300100	Transportation, Distribution & Logistics	9	9	9	9	9	9	9	9	9	AMSTL003, AMSTL004, MSSCN002, TAFOM001
<b>Graphic Communications and Printing Technology</b>	K300100	Arts, A/V Technology & Communication	NA	NA	NA	9	9	9	9	9	9	
<b>GSA Audio/Video Effects</b>	B082200	IT	10	10	10	10	10	10	10	10	10	
<b>GSA Programming</b>	B082300	IT	10	10	10	10	10	10	10	10	10	
<b>GSA Visual/Design</b>	B082100	IT	10	10	10	10	10	10	10	10	10	
<b>Health Unit Coordinator (PS)</b>	H170513	Health Science	Daggered for deletion									NAHUC001
<b>Health Unit Coordinator/Monitor Technician</b>	H170107	Health Science	9	10	10	9	10	10	9	10	10	NAHUC001
<b>Heavy Equipment Mechanics</b>	I470302	Transportation, Distribution & Logistics	9	9	9	9	9	9	Daggered for Deletion			NIASE003, NIASE016, NIASE020, NIASE021, NIASE023, NIASE025, NIASE026, NIASE031, NIASE033
<b>Heavy Equipment Operation</b>	I490202	Transportation, Distribution & Logistics	8	8	8	8	8	8	Daggered for Deletion			NCCER218
<b>Heavy Equipment Operations Technician</b>	T440200	Transportation, Distribution & Logistics	NA	NA	NA	NA	NA	NA	8	8	8	NCCER218
<b>Heavy Equipment Service Technician</b>	T440100	Transportation, Distribution & Logistics	NA	NA	NA	9	9	9	9	9	9	NIASE003, NIASE 016, NIASE 020, NIASE 021, NIASE 23, NIASE 025, NIASE 026, NIASE 031, NIASE 033
<b>Hemodialysis</b>	H170207	Health Science	10	10	10	10	10	10	10	10	10	NNCCO001

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<b>Technician</b>												
Hospitality and Tourism	M811040	Hospitality & Tourism	9	9	9	9	9	9	Daggered for Deletion			
Industrial Distribution and Management/*Distribution and Logistics Management	M812040	Marketing, Sales & Services	9	9	9	9	9	9	9	9	9	
Industrial Machinery Maintenance	I470303	Manufacturing	9	9	9	9	9	9	9	9	9	IHKBZ003, MANSI001, MSSCN001, NCCER084, NCCER085, NCCER086, NCCER242, NCCER266, NCCER267
Industrial Machinery Maintenance 1	J590100	Manufacturing	9	9	9	9	9	9	9	9	9	IHKBZ003, MANSI001, MSSCN001, NCCER084, NCCER085, NCCER086, NCCER242, NCCER266, NCCER267
Industrial Machinery Maintenance 2	J590200	Manufacturing	9	9	9	9	9	9	9	9	9	IHKBZ003, MANSI001, MSSCN001, NCCER084, NCCER085, NCCER086, NCCER242, NCCER266, NCCER267
Industrial Pipefitter	I460514	Architecture & Construction	9	9	9	9	9	9	9	9	9	NCCER248
Industrial Technology	I150603	Manufacturing	9	9	9	9	9	9	9	9	9	MSSCN001
Interior Decorating Services	V200600	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	
International Business	B060901	Business Management & Administration	9	9	9	9	9	9	9	9	9	
International Marketing	M807030	Marketing, Sales & Services	9	9	9	9	9	9	9	9	9	
Java Development & Programming	Y700200	IT	9	9	9	9	9	9	9	9	9	ORACL004, ORACL005, PROSO017
Jewelry Making and Repair	I480602	Manufacturing	9	9	9	9	9	9	9	9	9	

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<b>Jewelry Making and Repair 1</b>	J450400	Manufacturing	9	9	9	9	9	9	9	9	9	
<b>Jewelry Making and Repair 2</b>	J450500	Manufacturing	9	9	9	9	9	9	9	9	9	
<b>Landscape and Turf Management</b>	A200100	Agriculture, Food and Natural Resources	9	9	9	9	9	9	9	9	9	FNGLA001
<b>Landscape Management</b>	A010615	Agriculture, Food and Natural Resources	9	9	9	Daggered for deletion						FNGLA001
<b>Legal Administration Specialist</b>	B072000	Business Management & Administration	10	10	10	10	10	10	10	10	10	
<b>Lodging Operations</b>	M607010	Hospitality & Tourism	9	9	9	9	9	9	Daggered for Deletion			
<b>Machining</b>	I480503	Manufacturing	Daggered for deletion									MSSCN001, NIFMS011, NIFMS005, NIFMS006
<b>Machining Technologies</b>	J200100	Manufacturing	9	8	9	9	8	9	9	8	9	ADESK002, ADESK011, ADESK021, ADESK024, CNCSI001, CNCSI002, IHKBZ001, IHKBZ005, MANSI001, MSSCN001, NIFMS001, NIFMS002, NIFMS003, NIFMS004, NIFMS007, NIFMS008, NIFMS010, NIFMS012, NIFMS013, NIFMS014, NIFMS015, NIFMS016, NIFMS017, NIFMS018, NIFMS019, NIFMS020, SOLID003, SOLID004
<b>Major Appliance and Refrigeration Repair</b>	I470106	Manufacturing	9	9	9	9	9	9	Daggered for Deletion			PRSV A001
<b>Major Appliance and Refrigeration Repair 1</b>	J620100	Manufacturing	9	9	9	9	9	9	Daggered for Deletion			PRSV A001
<b>Major Appliance and Refrigeration Repair 2</b>	J620200	Manufacturing	9	9	9	9	9	9	Daggered for Deletion			PRSV A001

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<b>Major Appliance and Refrigeration Technician</b>	J620300	Manufacturing	NA	NA	NA	NA	NA	NA	9	9	9	PRVA001
<b>Marine Service Technologies</b>	T400210	Transportation, Distribution & Logistics	9	9	9	9	9	9	9	9	9	ABAYC002, ABAYC003, ABAYC005, ABAYC007, NIASE009, NIASE010, NIASE020, NIASE025, NIASE071, NIASE076
<b>Marine Service Technology</b>	I490306	Transportation, Distribution & Logistics	Daggered for deletion									
<b>Marine Service Technology 1</b>	T500100	Transportation, Distribution & Logistics	Daggered for deletion									
<b>Marine Service Technology 2</b>	T500200	Transportation, Distribution & Logistics	Daggered for deletion									
<b>Marketing Merchandising and Parts Operations</b>	M812031	Marketing, Sales & Services	9	9	9	9	9	9	Daggered for Deletion			
<b>Marketing Merchandising and Parts Operations 1</b>	M700100	Marketing, Sales & Services	9	9	9	9	9	9	Daggered for Deletion			
<b>Marketing Merchandising and Parts Operations 2</b>	M700200	Marketing, Sales & Services	9	9	9	9	9	9	Daggered for Deletion			
<b>Marketing, Management and Entrepreneurship Principles</b>	M200500	Marketing, Sales & Services	9	9	9	9	9	9	9	9	9	
<b>Massage Therapy</b>	H120405	Health Science	9	10	10	9	10	10	Daggered for Deletion			FASMB001, NBTMB001
<b>Massage Therapy</b>	H120405	Health Science	NA	NA	NA	NA	NA	NA	9	10	10	FASMB001, NBTMB001



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<b>Mechatronics Technology</b>	J200200	Manufacturing	NA	NA	NA	10	9	10	10	9	10	IHKBZ004, IHKBZ003, INSOC002, INSOC005, MANSI001, MSSCN001, NCCER013, NCCER041, NCCER084, NCCER085, NCCER086, NCCER215, NCCER266, NCCER267
<b>Medical Administration Specialist</b>	B070300	Business Management & Administration	10	10	10	10	10	10	10	10	10	MICRO017, MICRO069, NATHA003
<b>Medical Assistant</b>	H170503	Health Science	Daggered for deletion									AMAMA001, AMEDT004
<b>Medical Assisting (NEW)</b>	H170515	Health Science	NA	NA	NA	10	10	10	10	10	10	AMAMA001, AMEDT004, NATHA009
<b>Medical Clinical Laboratory Technician ATD</b>	H170600	Health Science	10	11	11	10	11	11	10	11	11	AMAOB001, AMEDT002, AMSCP002
<b>Medical Clinical Laboratory Technician ATD</b>	NA	Health Science	10	11	11	10	11	11	10	11	11	AMAOB001, AMEDT002, AMSCP002
<b>Medical Coder Biller</b>	H170526	Health Science	Daggered for deletion									ACOPC004, ACOPC005, ACOPC006, AHIMA001, AHIMA002, AHIMA003,
<b>Medical Coder Biller (NEW)</b>	H170529	Health Science	9	11	11	9	11	11	9	11	11	ACOPC004, ACOPC005, ACOPC006, AHIMA001, AHIMA002, AHIMA003,
<b>Medical Coder Biller ATD</b>	NA	Health Science	Daggered for deletion									ACOPC004, ACOPC005, ACOPC006, AHIMA001, AHIMA002, AHIMA003,
<b>Medical Coder Biller ATD</b>	H170528	Health Science	Daggered for deletion									ACOPC004, ACOPC005, ACOPC006, AHIMA001, AHIMA002, AHIMA003,
<b>Medical Coder Biller ATD (NEW)</b>	NA	Health Science	10	11	11	10	11	11	10	11	11	ACOPC004, ACOPC005, ACOPC006, AHIMA001, AHIMA002, AHIMA003,
<b>Medical Coder Biller ATD (NEW)</b>	H170530	Health Science	10	11	11	10	11	11	10	11	11	ACOPC004, ACOPC005, ACOPC006, AHIMA001, AHIMA002, AHIMA003,
<b>Medical Education Simulator Technician</b>	H170400	Health Science	10	10	10	10	10	10	10	10	10	

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<b>Medical Laboratory Assisting (PS)</b>	H170306	Health Science	9	11	11	9	11	11	9	11	11	
<b>Medical Record Transcribing/Healthcare Documentation</b>	H170506	Health Science	9	11	11	9	11	11	9	11	11	
<b>Medical Record Transcribing/Healthcare Documentation ATD</b>	NA	Health Science	10	11	11	10	11	11	10	11	11	
<b>Medical Record Transcribing/Healthcare Documentation ATD</b>	H170508	Health Science	10	11	11	10	11	11	10	11	11	
<b>Medium and Heavy Duty Truck and Bus Technician</b>	I470605	Transportation, Distribution & Logistics	9	9	9	9	9	9	9	9	9	NIASE003, NIASE016, NIASE020, NIASE021, NIASE023, NIASE025, NIASE026, NIASE031, NIASE033
<b>Medium and Heavy Duty Truck and Bus Technician 1</b>	T650100	Transportation, Distribution & Logistics	9	9	9	9	9	9	9	9	9	NIASE003, NIASE016, NIASE020, NIASE021, NIASE023, NIASE025, NIASE026, NIASE031, NIASE033
<b>Medium and Heavy Duty Truck and Bus Technician 2</b>	T650200	Transportation, Distribution & Logistics	9	9	9	9	9	9	9	9	9	NIASE003, NIASE016, NIASE020, NIASE021, NIASE023, NIASE025, NIASE026, NIASE031, NIASE033
<b>Mental Health Technician</b>	H180100	Health Science	NA	NA	NA	NA	NA	NA	9	9	9	
<b>Millwright</b>	I470313	Manufacturing	9	9	9	9	9	9	9	9	9	IHKZ003, MANSI001, MSSCN001, NCCER084, NCCER085, NCCER086, NCCER242, NCCER266, NCCER267
<b>Millwright 1</b>	J590400	Manufacturing	9	9	9	9	9	9	9	9	9	IHKZ003, MANSI001, MSSCN001, NCCER084, NCCER085, NCCER086, NCCER242, NCCER266, NCCER267
<b>Millwright 2</b>	J590500	Manufacturing	9	9	9	9	9	9	9	9	9	IHKZ003, MANSI001, MSSCN001, NCCER084, NCCER085, NCCER086, NCCER242, NCCER266, NCCER267
<b>Modeling Simulation</b>	Y500300	IT	NA	NA	NA	NA	NA	NA	10	10	10	

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<b>Design</b>												
<b>Modeling Simulation Production</b>	Y500200	IT	NA	NA	NA	NA	NA	NA	10	10	10	
<b>Motorcycle Service Technology</b>	I470616	Transportation, Distribution & Logistics	10	9	10	Daggered for deletion						
<b>Natural Gas Operations and Distribution</b>	X500200	Energy	NA	NA	NA	NA	NA	NA	9	9	9	
<b>Network Support Services</b>	B078000	IT	9	9	9	9	9	9	9	9	9	CISCO004, CISCO003, COMPT001, COMPT002, COMPT006, COMPT009, MICRO003, MICRO030, MICRO046
<b>Network Systems Administration</b>	B079300	IT	9	9	9	9	9	9	9	9	9	CISCO005, CISCO004, COMPT001, COMPT009, COMPT006, COMPT005, COMPT008, MICRO034, MICRO033, MICRO046, MICRO052, NACSE001
<b>Nursery Management</b>	A010616	Agriculture, Food and Natural Resources	9	9	9	9	9	9	9	9	9	FNGLA001
<b>Optometric Assisting</b>	H170704	Health Science	9	11	11	9	11	11	Daggered for Deletion			AMOPT001
<b>Optometric Assisting (NEW)</b>	H170705	Health Science	NA	NA	NA	NA	NA	NA	9	11	11	AMOPT001
<b>Orthopedic Technology</b>	H170800	Health Science	10	10	10	10	10	10	10	10	10	
<b>Painting and Decorating</b>	I460408	Architecture & Construction	9	9	9	9	9	9	9	9	9	NCCER245
<b>Paramedic</b>	W170206	Health Science	10	10	10	Daggered for deletion						FDMQA014, NREMT004
<b>Paramedic (NEW)</b>	W170211	Health Science	NA	NA	NA	10	10	10	10	10	10	FDMQA014, NREMT004

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<b>Patient Care Technician</b>	H170694	Health Science	10	10	10	10	10	10	10	10	10	NATHA006
<b>Personal Trainer</b>	D500300	Human Services	NA	NA	NA	9	10	10	9	10	10	ACSMD002
<b>Pharmacy Technician</b>	H170500	Health Science	11	10	10	11	10	10	11	10	10	NATHA010, PTCBD001
<b>Pharmacy Technician ATD</b>	NA	Health Science	11	10	10	11	10	10	11	10	10	NATHA010, PTCBD001
<b>Pharmacy Technician ATD</b>	H170700	Health Science	11	10	10	11	10	10	11	10	10	NATHA010, PTCBD001
<b>Plumbing Technology</b>	I460513	Architecture & Construction	9	9	9	9	9	9	9	9	9	NCCER253
<b>Power Distribution Technician</b>	X600100	Energy	9	9	9	Daggered for deletion						
<b>Power Equipment Technologies</b>	T410300	Transportation, Distribution & Logistics	8	8	8	8	8	8	8	8	8	EAETC001, NIASE010, NIASE025
<b>Practical Nursing</b>	H170605	Health Science	11	11	11	11	11	11	Daggered for Deletion			FDMQA017, NCSBN002
<b>Practical Nursing (NEW)</b>	H170607	Health Science	NA	NA	NA	NA	NA	NA	11	11	11	FDMQA017, NCSBN002
<b>Principles of Teaching</b>	P131299	Education & Training	10	10	10	10	10	10	10	10	10	EDTSO001
<b>Printing and Graphic Communications</b>	I480201	Arts, A/V Technology & Communication	9	9	9	Daggered for deletion						
<b>Promotional Enterprise</b>	B017100	Business Management & Administration	9	9	9	9	9	9	Daggered for Deletion			
<b>Psychiatric Technology</b>	H181106	Health Science	9	9	9	9	9	9	Daggered for Deletion			

<b>Title</b>	<b>Program #</b>	<b>Career Cluster</b>	<b>15-16 Math</b>	<b>15-16 Lang</b>	<b>15-16 Read</b>	<b>16-17 Math</b>	<b>16-17 Lang</b>	<b>16-17 Read</b>	<b>17-18 Math</b>	<b>17-18 Lang</b>	<b>17-18 Read</b>	<b>Certification Code Form</b> <a href="http://www.fl DOE.org/core/fileparse.php/7521/urlt/1617ClockHourInvent.pdf">http://www.fl DOE.org/core/fileparse.php/7521/urlt/1617ClockHourInvent.pdf</a>
<b>Public Works</b>	I470304	Government & Public Administration	9	9	9	9	9	9	9	9	9	
<b>Radiologic Technology</b>	W170210	Health Science	NA	NA	NA	NA	NA	NA	11	11	11	
<b>Solar Energy Technology</b>	A600200	Energy	9	9	9	9	9	9	9	9	9	
<b>Solar Photovoltaic System Design, Installation and Maintenance - Entry Level</b>	X600400	Energy	9	9	9	9	9	9	9	9	9	
<b>Solar Thermal System Design, Installation and Maintenance</b>	X600300	Energy	9	9	9	9	9	9	9	9	9	
<b>Sport, Recreation and Entertainment Marketing</b>	M899400	Marketing, Sales & Services	9	9	9	9	9	9	9	9	9	
<b>Surgical Technology</b>	H170211	Health Science	10	11	11	10	11	11	10	11	11	NSTSA001
<b>Technology Support Services</b>	Y100100	IT	10	10	10	10	10	10	10	10	10	COMPT001, CISCO003
<b>Telecommunications Technology</b>	I470301	Arts, A/V Technology & Communication	9	9	9	9	9	9	9	9	9	SOCTE004
<b>Television Production</b>	I100104	Arts, A/V Technology & Communication	9	9	9	9	9	9	Daggered for Deletion			NOCTI013
<b>Television Production Technology</b>	K300300	Arts, A/V Technology & Communication	NA	NA	NA	NA	NA	NA	9	9	9	NOCTI013

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<b>Tile Setting</b>	I460103	Architecture & Construction	9	9	9	9	9	9	9	9	9	
<b>Transit Technician 1</b>	T660100	Transportation, Distribution & Logistics	9	9	9	9	9	9	9	9	9	NIASE003, NIASE016, NIASE020, NIASE021, NIASE023, NIASE025, NIASE026, NIASE031, NIASE033
<b>Transit Technician 2</b>	T660200	Transportation, Distribution & Logistics	9	9	9	9	9	9	9	9	9	NIASE003, NIASE016, NIASE020, NIASE021, NIASE023, NIASE025, NIASE026, NIASE031, NIASE033
<b>Transit Technician 3</b>	T660300	Transportation, Distribution & Logistics	9	9	9	9	9	9	9	9	9	NIASE003, NIASE016, NIASE020, NIASE021, NIASE023, NIASE025, NIASE026, NIASE031, NIASE033
<b>Travel and Tourism Management ATD</b>	NA	Hospitality & Tourism	10	10	10	10	10	10	Daggered for Deletion			
<b>Travel and Tourism Management ATD</b>	M811058	Hospitality & Tourism	10	10	10	10	10	10	Daggered for Deletion			
<b>Turbine Generator Maintenance</b>	X600500	Energy	9	9	9	9	9	9	9	9	9	
<b>Turf Equipment Technology (ATD)</b>	A020608	Agriculture, Food and Natural Resources	10	10	10	10	10	10	10	10	10	
<b>Turf Equipment Technology (ATD)</b>	NA	Agriculture, Food and Natural Resources	10	10	10	10	10	10	10	10	10	
<b>Unit Treatment and Rehabilitation ATD</b>	H170408	Human Services	10	10	10	Daggered for deletion						
<b>Unit Treatment and Rehabilitation ATD</b>	NA	Human Services	10	10	10	Daggered for deletion						
<b>Veterinary Assisting</b>	A010512	Agriculture, Food and Natural Resources	9	9	9	9	9	9	9	9	9	FLVMA002

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<b>Web Application Development &amp; Programming</b>	Y700500	IT	9	9	9	9	9	9	9	9	9	
<b>Web Development</b>	Y700100	IT	9	9	9	9	9	9	9	9	9	PROSO022
<b>Welding Technology</b>	J400400	Manufacturing	9	9	9	9	9	9	9	9	9	AWELD001, NCCER061, NCCER062, NCCER265
<b>Welding Technology Advanced</b>	J400410	Manufacturing	9	9	9	9	9	9	9	9	9	AWELD001, NCCER061, NCCER062, NCCER265
<b>Wireless Telecommunications</b>	I470305	Arts, A/V Technology & Communication	10	10	10	10	10	10	10	10	10	