

NOCTI Assessments - National Averages
Post-Secondary
January 1, 2018

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1437	21st Century Skills for Workplace Success	Written	435	81.0	1	Reading Skills	70.8
					2	Math Skills	73.1
					3	Writing Skills	82.8
					4	Speaking and Listening Skills	84.4
					5	Computer Applications and Digital Media	79.5
					6	Reasoning, Problem-Solving, and Decision Making	84.0
					7	Understanding the "Big Picture"	73.8
					8	Work Ethics	77.6
					9	Positive Attitude	88.7
					10	Independence and Initiative	83.3
					11	Self-Presentation	85.2
					12	Attendance	91.3
					13	Collaboration	82.3
					14	Personal Health and Wellness	95.1
					15	Entrepreneurship	77.8
					16	Personal Finance	70.3
4900	Accounting-Advanced	Written	1,361	70.6	1	Journalizing	72.9
					2	Posting	70.4
					3	Payroll Preparation	67.9
					4	Cash and Banking Procedures	73.3
					5	Merchandise Inventory	67.0
					6	Completion of Accounting Cycle	66.0
					7	Identification and Application of Source Data	77.9
					8	Mechanical and Electrical Accounting Devices	74.6
					9	Security	63.6
					10	Basic Accounting Knowledge	78.6
					11	Advanced Accounting Principles	70.9
		Perf	158	68.4	1	Journal Entries	68.1
					2	Posting Verification	60.7
					3	Payroll	84.8
					4	Complete Worksheet	70.0
					5	Financial Statements	63.0
					6	Ratio and Partial Horizontal Analysis	57.5
					7	Advanced Journal Entries	71.2

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4000	Accounting-Basic	Written	1,565	66.4	1	Journalizing	66.5
					2	Posting	65.6
					3	Payroll Preparation	62.7
					4	Cash and Banking Procedures	73.4
					5	Merchandise Inventory	62.0
					6	Completion of Accounting Cycle	60.9
					7	Identification and Application of Source Data	74.9
					8	Mechanical and Electrical Accounting Devices	76.9
					9	Security	59.1
					10	Basic Accounting Knowledge	74.1
		Perf	56	61.2	1	Identification of Account Balances	66.9
					2	Journal Entries	58.2
					3	Posting Verification	58.4
					4	Banking	71.7
					5	Payroll	68.5
					6	Complete Worksheet	70.1
					7	Financial Statements	49.6
4101	Administrative Assisting	Written	2,060	76.2	1	Computer Applications	78.7
					2	Working in an Office Environment	81.8
					3	Records Management	72.4
					4	Office Procedures	77.3
					5	Accounting and Computational Skills	67.4
		Perf	258	82.9	1	Business Writing - Memo Preparation	85.0
					2	Document Processing	76.0
					3	Preparing a Spreadsheet	83.4
					4	Creating a Chart	89.2
					5	Creating a Flyer	92.2

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1205	Administrative Services	Written	51	77.5	1	Business Management Technical Skills	67.2
					2	Administrative Services	72.1
					3	Academic Foundations	77.4
					4	Systems	88.6
					5	Ethics and Legal Responsibilities	90.8
					6	Communications	81.8
					7	Information Technology Applications	79.1
					8	Problem Solving, Critical Thinking, and Decision Making	70.9
					9	Leadership and Teamwork	83.5
					10	Safety, Health, and Environmental	87.3
					11	Employability and Career Development	80.0
4119	Advertising and Design	Written	104	70.4	1	Computer Literacy	72.8
					2	Typography	66.3
					3	Digital Literacy and Application	69.4
					4	Color Theory and Application	77.1
					5	Digital Illustration and Drawing	67.8
					6	Photography	70.0
					7	Production and Printing	65.8
					8	Communication and Career Skills	80.9
					9	Work Environment	64.1
					10	Multimedia	76.5
					11	Digital Image Manipulation	64.4
		Perf	46	91.7	1	Design: Computer Comprehensive-Prepare and Print Files	91.7
					2	Layout: Redesign	91.7
1229	Agricultural Biotechnology	Written	32	78.0	1	Technical Skills	67.0
					2	Academic Foundations	76.8
					3	Systems	88.0
					4	Ethics and Legal Responsibilities	85.7
					5	Communications	79.0
					6	Information Technology Applications	76.6
					7	Problem Solving, Critical Thinking, and Decision-Making	84.4
					8	Leadership and Teamwork	93.3
					9	Safety, Health, and Environmental	76.6
					10	Employability and Career Development	93.3
					11	Agricultural Biotechnology	69.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2102	Agriculture Mechanics	Written	31	52.7	1	Safety	56.5
					2	Welding and Mechanics	42.9
					3	Power and Machinery	58.1
					4	Electrical Power and Process	52.1
					5	Agricultural Structures	52.2
					6	Agribusiness	62.5
					7	Environmental and Natural Resource Systems	40.9
					8	Careers in Agriculture Mechanics	48.4
					Perf	No data available	
1227	Animal Systems	Written	77	78.7	1	Technical Skills	67.2
					2	Academic Foundations	77.4
					3	Systems	87.2
					4	Ethics and Legal Responsibilities	83.7
					5	Communication	80.6
					6	Information Technology Applications	80.5
					7	Problem Solving, Critical Thinking, and Decision-Making	84.8
					8	Leadership and Teamwork	90.0
					9	Safety, Health, and Environmental	75.8
					10	Employability and Career Development	90.4
					11	Animal Science	74.0
3018	Apparel & Textiles Prod & Merchandising	Written	20	58.7	1	Garment Construction	55.7
					2	Finished Garment Alterations	56.4
					3	Textiles	59.8
					4	Applied Mathematics	51.8
					5	Design and Patternmaking	43.3
					6	Industrial and Domestic Apparel Manufacturing	73.6
					7	Apparel Technology	69.5
					8	Apparel and Textile Merchandising	57.8
					9	Career Opportunities	59.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4004	Architectural Drafting	Written	198	65.2	1	Preparing To Draw	70.2
					2	Geometric Construction	74.0
					3	Applied Mathematics	65.6
					4	Drawing Techniques - Supplementary Views	57.3
					5	Planning	64.6
					6	Architectural Drawing Types	65.1
					7	Site Plans	66.8
					8	Structural Drawings	65.8
					9	Mechanical and Electrical Systems	58.5
					10	Supplemental Drafting Activities	70.2
					11	Specifications	58.2
					12	Sustainable Architecture and Design	58.3
		Perf	24	40.5	1	Architectural Symbols and Abbreviations	43.2
					2	Elevation	38.4
					3	Kitchen and Bath Floor Plan	41.0
3005	Audio-Visual Communications	Written	41	57.8	1	Photography	54.9
					2	Computer Based Technology	56.2
					3	Audio and Video Production	58.2
					4	Creative Development	57.5
					5	Visual Design	53.1
					6	Project Management	60.2
					7	Equipment Operation, Maintenance, and Troubleshooting	52.6
					8	Network Technology	63.9
					9	Related Information	80.5
		Perf	No data available				
4008	Automotive Technician-Advanced	Written	1,173	67.2	1	Customer Relations and Shop Procedures	73.1
					2	Engine Repair	72.8
					3	Automatic Transmission/Transaxle	71.3
					4	Manual Drive Train and Axles	63.2
					5	Suspension and Steering	68.2
					6	Brakes	66.9
					7	Electrical/Electronic Systems	63.1
					8	Heating and Air Conditioning	61.8
					9	Engine Performance	68.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4008	Automotive Technician-Advanced	Perf	55	83.6	1	Identification of Parts	70.1
					2	Disc Brake Assembly Service	86.9
					3	Tire Service and Balance	88.5
					4	Cylinder Head Service	69.6
					5	Perform Fuel System Pressure Test	89.2
					6	Windshield Washer Circuit Inoperative	86.3
					7	Test & Diagnose Battery, Starting, & Charging Sys	82.8
					8	Test Electronic Engine Control Components	92.0
4309	Automotive Technician-Core	Written	179	65.0	1	Engine Repair	66.8
					2	Automatic Transmission and Transaxle	68.5
					3	Manual Drive Train and Axles	57.9
					4	Suspension and Steering	68.4
					5	Brakes	71.0
					6	Electrical and Electronic Systems	66.9
					7	Heating and Air Conditioning	61.5
					8	Engine Performance	60.1
					9	Customer Relations and Shop Procedures	70.8
		Perf	11	81.0	1	Brakes: Disc Brake Assembly Service	73.5
					2	Electrical/Electronic Systems: Test and Diagnose Battery, Startin	81.0
					3	Engine Performance: Test Electronic Engine Control Component	83.1
					4	Suspension and Steering: Tire Service and Balance	93.9
1096	Banking and Related Services	Written	32	78.1	1	Cluster Technical Skills - Finance	69.9
					2	Technical Skills - Banking and Related Services	76.4
					3	Academic Foundations	69.4
					4	Systems	79.4
					5	Ethics and Legal Responsibilities	81.3
					6	Communication	80.8
					7	Information Technology Applications	80.5
					8	Problem Solving, Critical Thinking, and Decision Making	78.8
					9	Leadership and Teamwork	95.3
					10	Safety, Health and Environmental	80.2
					11	Employability and Career Development	94.5
4075	Biotechnology	No data available					
1106	Broadcasting and Journalism	No data available					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4011	Building Construction Occupations	Written	15	74.6	1	Safety and General Knowledge	86.7
					2	Carpentry	77.4
					3	Masonry	67.9
					4	Electrical	47.9
					5	Plumbing	59.3
					6	Energy Efficiency	83.9
					7	Blueprints, Building Layout, and Site Layout	75.6
	Perf	No data available					
4012	Building Trades Maintenance	Written	134	59.2	1	Safety	66.3
					2	Tools and Materials	57.6
					3	Carpentry	55.5
					4	Painting and Wall Covering	54.6
					5	Masonry	59.2
					6	Electrical	53.6
					7	Plumbing	73.5
					8	General Maintenance	49.5
					9	Grounds and Equipment Maintenance	61.6
					10	HVAC (Heating, Ventilation, and Air Conditioning)	61.1
	Perf	86	94.1	1	Carpentry: Construct Frame	89.5	
				2	Plumbing: Sweat Piping	96.9	
				3	Electricity: Rough Wiring	95.3	
				4	Drywall	94.1	
				5	Electricity: Finish Wiring	98.6	
1095	Business Financial Management	Written	23	76.7	1	Cluster Technical Skills - Finance	75.5
					2	Technical Skills - Business Financial Management	70.7
					3	Academic Foundations	72.7
					4	Systems	76.5
					5	Ethics and Legal Responsibilities	77.5
					6	Communication	77.6
					7	Information Technology Applications	72.8
					8	Problem Solving, Critical Thinking, and Decision Making	78.7
					9	Leadership and Teamwork	92.8
					10	Safety, Health and Environmental	79.0
					11	Employability and Career Development	96.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg		
4013	Business Information Processing	Written	273	74.0	1	Computer Concepts and Applications	75.3		
					2	Internet Operations	74.6		
					3	Computer Operations	75.0		
					4	Reporting and Data Management	77.6		
					5	Business Software Applications	79.0		
					6	Business Math	63.2		
					7	Communications	73.9		
					8	Office Environment Safety	71.0		
		Perf	31	76.9	1	File Management	77.1		
					2	Spreadsheet	70.4		
					3	Word Processing: Create and Format	80.0		
					4	Word Processing: Table Creation	74.1		
					5	Presentations	93.1		
3014	Cabinetmaking	Written	203	71.8	1	Safety	75.1		
					2	Design and Layout	68.9		
					3	Estimating and Measuring	69.4		
					4	Hand and Portable Power Tools	74.1		
					5	Stationary Saws	65.9		
					6	Boring Machines	77.1		
					7	Milling	68.8		
					8	Assembly	73.7		
					9	Finishing	75.9		
					10	Installation	66.7		
		Perf	No data available						
4973	CAD	Written	686	68.2	1	Identify Hardware and Operating Systems	71.5		
					2	Use Hardware and Operating Systems	81.9		
					3	Interpret and Read Blueprints	68.6		
					4	Create and Manipulate Mechanical Drawing Information	66.6		
					5	Draw and Design Assemblies	78.2		
					6	Use 3-D Modeling	59.3		
		Perf	71	86.4	1	Create a 2-D Orthographic Drawing with a section view	84.2		
			2	Create a 3-D Solid Model	92.1				
			3	Create two parts to be mated and mate the parts	84.6				

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
3073	CAD-CAM	No data available					
1100	Career Skills	Written	155	51.7	1	Communications	53.4
					2	Problem Solving and Critical Thinking	35.3
					3	Information Technology Applications	69.4
					4	Systems	44.8
					5	Safety, Health and Environment	50.3
					6	Leadership, Management and Teamwork	63.7
					7	Ethics and/or Legal Responsibilities	57.4
					8	Employability and/or Career Development	49.3
4215	Carpentry <i>(New test released 9/1/2017)</i>	No data available					
4106	Collision Repair	Written	132	71.6	1	Safety	78.4
					2	Business Fundamentals	79.9
					3	MIG/GMAW and STRSW	59.7
					4	Structural	69.9
					5	Non-Structural	72.5
					6	Mechanical and Electrical Systems	72.2
		Perf	No data available				
3183	Collision Repair and Refinishing Technology	Written	47	67.5	1	Safety	72.4
					2	Business Fundamentals	72.6
					3	MIG/GMAW and STRSW	58.9
					4	Structural	62.1
					5	Non-Structural	67.0
					6	Mechanical and Electrical Systems	70.2
					7	Painting and Refinishing	70.5
		Perf	No data available				

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4020	Commercial Foods	Written	263	75.9	1	Safety	89.1
					2	Sanitation	80.4
					3	Culinary Career Overview	79.2
					4	Culinary Techniques	78.0
					5	Recipes and Culinary Math	60.7
					6	Purchasing and Management Skills	72.6
					7	Menu Design and Nutrition	67.5
					8	Customer and Table Service	74.7
					9	Culinary Equipment	81.2
		Perf	39	80.1	1	Identification of Hand Tools, Herbs, Spices, and Flavorings	83.9
					2	Knife skills	80.1
					3	Cooking skills	79.5
		4514	Computer Networking Fundamentals	Written	189	66.8	1
2	Network Connections						76.0
3	Physical Connection Types						67.5
4	Network Standards and Devices						62.0
5	Network Troubleshooting						63.5
6	Routing and Switching						66.1
7	Network Terminology						62.4
8	Network Architecture						69.2
9	Network Addressing						67.2
10	Security						68.9
11	Network Planning and Design						62.9
Perf	47			93.2	1	Select and Connect Equipment to Set Up a Simple LAN with Two	94.2
					2	Set Up a Workgroup, Create Users, Create Shares, and Install a P	92.6
4023	Computer Programming	Written	248	68.5	1	Analyze Programming Problems and Flowchart Solutions	64.4
					2	Design Program Solutions	72.5
					3	Code Programs	68.4
					4	Test Programs	62.2
					5	Maintain Programs	68.4
					6	Complete User Documentation and Technical Writing	67.1
					7	General Information and Concepts	73.1
		Perf	23	62.8	1	Write a program	55.7
2	Design Solution Logic				73.7		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4515	Computer Repair Technology	Written	53	71.8	1	Safety	81.0
					2	Installing, Configuring, and Upgrading	63.8
					3	Diagnosing and Troubleshooting	68.8
					4	Preventive Maintenance	79.3
					5	System Boards, Storage, Processors, and Memory	58.9
					6	Input-Output (I/O) Devices	79.9
					7	Printing	69.2
					8	Basic Networking	69.1
					9	Security	91.1
					10	Customer Support and Ethics	74.2
		Perf	15	86.4	1	Device Identification	66.7
					2	Installing New Hardware/Troubleshooting	92.9
					3	Network Connectivity	89.3
4122	Computer Technology	Written	890	74.1	1	Professional Standards, Ethics, and Business Practices	82.7
					2	General Computer Knowledge and Concepts	72.4
					3	PC (Personal Computer) Hardware Knowledge	63.7
					4	PC (Personal Computer) Software Knowledge	84.6
					5	Networking and Data Communications	66.4
					6	Security	80.9
		Perf	No data available				
1128	Construction	Written	27	56.0	1	Technical Skills	37.6
					2	Academic Foundations	62.7
					3	Systems	41.4
					4	Ethics and Legal Responsibilities	49.4
					5	Communications	55.6
					6	Information Technology Applications	46.7
					7	Problem Solving, Critical Thinking, and Decision Making	64.0
					8	Leadership and Teamwork	66.7
					9	Safety, Health, and Environmental	73.6
					10	Employability and Career Development	71.6
					11	Construction	51.6
4025	Construction Masonry-Block	No data available					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg		
4125	Construction Masonry-Brick	Written	61	72.5	1	Safety	76.1		
					2	Craft Knowledge	86.4		
					3	Hand and Power Tools	80.7		
					4	Materials	79.0		
					5	Blueprints and Specifications	69.0		
					6	Project Layout	68.2		
					7	Brick	73.9		
					8	Fireplaces and Chimneys	70.4		
					9	Flashing, Weeps, and Insulation	66.6		
					10	Math and Measurements	52.5		
					11	Masonry Structure Maintenance	65.8		
					12	Professionalism	91.8		
				Perf	No data available				
4082	Cosmetology	Written	124	74.1	1	Safety and Sanitation	76.3		
					2	Scientific Concepts	69.1		
					3	Salon-Related Business Skills	85.9		
					4	Physical Services	75.5		
					5	Chemical Services	71.9		
					6	Hair Designing	70.4		
				Perf	No data available				
4181	Criminal Justice	Written	155	75.2	1	Crime Scene Management	71.7		
					2	Use of Force	78.2		
					3	Criminal Law and Procedures	74.6		
					4	Court System	72.6		
					5	Health and Safety	67.5		
					6	Police Concepts and Skills	75.9		
					7	Corrections	71.7		
					8	Communication	82.3		
					9	Security: National, International, and Private	78.1		
					10	Understand and Work with Special Populations	75.3		
				Perf	24	86.2	1	Comprehensive Skills	94.3
							2	Prepare Chicken Florentine with Tomato Concasse	75.0
							3	Prepare Rice Pilaf	99.5
							4	Prepare Steamed Green vegetables	81.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1890	Criminal Justice Advanced	Written	804	68.8	1	Criminal Justice Systems	69.9
					2	Criminal Justice Procedures	76.8
					3	Crime Scene Investigation and Evidence Handling	67.9
					4	Interview and Interrogation	65.3
					5	Criminal Law and Courtroom Procedures	62.9
					6	Issues and Ethics in Criminal Justice	73.3
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4436	Culinary Arts Level 1 Prep Cook <i>(New test released 9/1/2017)</i>	No data available					
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4536	Culinary Arts Level 2 Cook <i>(New test released 9/1/2017)</i>	No data available					
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4226	Dental Assisting <i>(New test released 9/1/2017)</i>	Written	179	71.9	1	Introduction to the Dental Assisting Profession	82.6
					2	Communication Skills and Business Office Procedures	80.1
					3	Infection Control and Hazard Management	72.0
					4	Clinical Procedures	73.0
					5	Radiological and Digital Imaging Procedures	62.1
					6	Dental Sciences	69.9
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		Perf	No data available				
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1127	Design and Pre-Construction	No data available					
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1386	Diagnostic Services <i>(New test released 9/1/2017)</i>	No data available					
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4127	Diesel Technology	Written	315	65.9	1	Safety	75.4		
					2	Shop Practices, Tools, and Equipment	71.0		
					3	Diesel Engines	71.5		
					4	Suspension and Steering	66.3		
					5	Brakes	53.5		
					6	Electrical and Electronic Systems	64.9		
					7	Drivetrains	62.4		
					8	Preventive Maintenance	59.6		
		Perf	22	97.6	1	Cylinder Liner Installation	98.3		
					2	Perform a Wheel Bearing Adjustment and Brake Stroke Measure	94.9		
					3	Check and Adjust Rocker Lever Clearance	98.8		
					4	Perform a Coolant System Inspection	97.6		
					5	Electrical Testing	98.7		
		1236	Early Childhood Development and Services	No data available					
		4017	Early Childhood Education and Care-Advanced	Written	1,736	84.1	1	Health and Safety	90.1
2	Cognitive Development						74.9		
3	Language Development and Communication						86.0		
4	Physical Development						81.3		
5	Social and Emotional Development						84.7		
6	Community and Family Relationships						93.5		
7	Observation, Documentation, and Assessment						80.4		
8	Professionalism						87.4		
9	Classroom Organization and Arrangement						84.4		
10	Creativity						88.1		
11	Diversity in the Classroom						81.4		
12	Inclusion of Children with Special Needs						74.5		
13	Positive Guidance Techniques and Reinforcement						89.8		
Perf	21			81.6	1	Curriculum Planning	77.1		
					2	Small Group Teaching	85.8		
			3	Arrange a Room	77.7				

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg		
4016	Early Childhood Education and Care-Basic	Written	2,082	83.9	1	Health and Safety	88.8		
					2	Cognitive Development	78.4		
					3	Language Development and Communication	84.0		
					4	Physical Development	78.1		
					5	Social and Emotional Development	83.6		
					6	Community and Family Relationships	90.4		
					7	Observation, Documentation, and Assessment	83.4		
					8	Professionalism	84.5		
					9	Classroom Organization and Arrangement	88.1		
					10	Creativity	86.2		
					11	Diversity in the Classroom	80.1		
					12	Inclusion of Children with Special Needs	73.1		
					13	Positive Guidance Techniques and Reinforcement	85.9		
		Perf	16	82.3	1	Demonstrate Washing of Caregiver's Hands	85.6		
					2	Introduction Activity	83.8		
					3	Story Presentation	82.5		
					4	Gross Motor Stretching Activity	81.9		
					5	Closure Activity	75.8		
		1125	Education and Training	Written	46	74.9	1	General Education Technical Skills	77.9
							2	Teaching and Training Technical Skills	75.6
							3	Academic Foundations	63.7
							4	Systems	79.7
							5	Ethics and Legal Responsibilities	73.1
6	Communications						73.4		
7	Information Technology Applications						72.8		
8	Problem Solving and Critical Thinking						70.0		
9	Leadership and Teamwork						86.1		
10	Safety, Health, and Environmental						71.3		
11	Employability and Career Development						81.2		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2039	Electric Power and Distribution	Written	476	70.1	1	Maintain a Safe Work Environment	81.8
					2	Perform Job Site Planning Activities	70.9
					3	Climbing Skills	85.8
					4	Pole Framing and Construction Specifications	62.5
					5	Equipment Operation	56.3
					6	Setting and Replacing Poles	78.7
					7	Transformer Installation	78.5
					8	Service Installation and Metering	72.6
					9	Conductor Installation and Repair	76.5
					10	Rubber Gloving Methods	69.6
					11	Underground Distribution	59.8
					12	Substations and Voltage Regulation	65.2
					13	Fusing and System Coordination	59.7
					14	Maintain Line Equipment and Tools	72.7
					15	Maintain Records/Documentation	64.0
					16	Problem Solving and Troubleshooting	74.1
		Perf	307	91.6	1	Hurtman Rescue Using A Handline	87.9
					2	Transformer Connections	85.0
					3	Material and Tool Identification	89.0
					4	Tool Identification and Use	95.0
					5	Knot Tying	93.1
					6	Truck Operation	96.8
					7	Meter Installation	87.3
4130	Electrical Construction Technology	Written	1,062	69.7	1	Introduction to the Electrical Construction Technology Career	82.8
					2	OSHA Regulations and Electrical Safety Practices	70.0
					3	Meters, Measurements, Testing	75.0
					4	Identification and Selection of Tools, Materials, and Component	77.0
					5	National Electrical Code (NEC)	69.7
					6	Blueprints, Specifications, and Estimations	73.4
					7	AC Theory, Magnetic Theory, and DC Theory	70.4
					8	Circuit Theorems and Conversions	66.8
					9	Wiring, Circuits, and Installation	65.3
					10	Green and Renewable Technology	59.1
					11	Transformers	68.2
					12	Motors	60.8

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4130	Electrical Construction Technology	Perf	302	86.8	1	Bend Conduit	86.4
					2	Switching and GFCI Receptacle in a Residential Setting	85.2
					3	Install Two Smoke Alarms in a Commercial Setting	90.2
3029	Electrical Occupations	Written	1,019	69.9	1	Safety	73.2
					2	Wiring Methods	67.4
					3	Tools	92.3
					4	Motors and Motor Controls	75.8
					5	National Electrical Code	70.8
					6	Blueprint Reading	75.2
					7	Applied Mathematics	72.7
					8	Alternating Current (AC)	63.7
					9	Direct Current (DC)	49.1
		Perf	134	91.3	1	Install Cable from Meter Base to Service Entrance Panel	91.7
					2	Install GFCI Circuit Breaker in Existing 100 AMP Panel	93.5
					3	Wire Lighting Control	90.1
					4	Install Door Chimes	91.3
3034	Electronics	Written	379	65.1	1	Safety	81.6
					2	DC Circuits	71.1
					3	AC Circuits	61.9
					4	Solid State Circuits	51.7
					5	Soldering and De-Soldering	59.5
					6	Use of Equipment	67.1
					7	Digital Theory	70.2
					8	Electronics-Related Mathematics	66.7
		Perf	17	73.7	1	IC Identification	90.6
					2	DC Circuit Construction and Analysis	67.7
					3	Power Supply Construction and Analysis	75.7
					4	De-Soldering and Soldering	92.7
					5	CE Amplifier Construction and Analysis	56.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4035	Electronics Technology	Written	253	60.3	1	Safety Practices	69.4
					2	Fundamental Electrical Principles and Theory	64.6
					3	Digital Electronic Circuits	63.4
					4	Electronic Device Analysis and Applications	53.8
					5	Electronic Testing Equipment	69.8
					6	Direct Current (DC) Circuit Analysis	60.7
					7	Alternate Current (AC) Analysis	52.4
					8	Prototyping and Fabrication Techniques	52.0
					9	Careers in Electronics	66.5
						Perf	No data available
1135	Emergency and Fire Management Services	Written	18	61.9	1	General Skills	55.1
					2	Academic Foundations	65.3
					3	Systems	53.7
					4	Ethics and Legal Responsibilities	53.5
					5	Communications	73.8
					6	Information Technology Applications	76.7
					7	Problem Solving, Critical Thinking, and Decision Making	54.0
					8	Leadership and Teamwork	55.6
					9	Safety, Health, and Environmental	66.2
					10	Employability and Career Development	62.5
					11	Emergency and Fire Management Services	62.4
1138	Emergency Medical Services	Written	11	68.6	1	General Skills	55.4
					2	Academic Foundations	75.0
					3	Systems	62.1
					4	Ethics and Legal Responsibilities	58.0
					5	Communications	83.1
					6	Information Technology Applications	72.7
					7	Problem Solving, Critical Thinking, and Decision Making	64.9
					8	Leadership and Teamwork	67.3
					9	Safety, Health, and Environmental	72.7
					10	Employability and Career Development	71.6
					11	Emergency Medical Services Technical Skills	69.0

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1237	Family and Community Services	Written	15	85.1	1	General Human Services Technical Skills	88.3
					2	Family and Community Services	89.3
					3	Academic Foundations	69.7
					4	Systems	85.7
					5	Ethics and Legal Responsibilities	87.8
					6	Communications	87.4
					7	Information Technology Applications	78.5
					8	Problem Solving, Critical Thinking, and Decision Making	81.0
					9	Leadership and Teamwork	81.3
					10	Safety, Health, and Environmental	92.5
					11	Employability and Career Development	96.7
4002	Fashion Merchandising	No data available					
1094	Financial and Investment Planning	No data available					
2120	Financial and Managerial Accounting	Written	309	72.4	1	Journalizing	72.0
					2	Cash and Banking Procedures	73.0
					3	Merchandise Inventory	73.7
					4	Financial Statements	66.3
					5	Competence in Technology	92.4
					6	Internal Control	80.3
					7	Basic Accounting Knowledge	79.7
					8	Advanced Accounting Practices	65.6
4049	Floriculture	No data available					
4949	Floriculture-Greenhouse	No data available					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
3037	Forest Products and Processing	Written	86	55.9	1	Safety	79.1
					2	Logging, Harvesting	52.2
					3	Tree Identification	67.8
					4	Sawmill Operation	40.6
					5	Diesels and Hydraulics	53.3
					6	Chain Saws	53.2
					7	Silviculture and Forest Management	51.4
					8	Forest Ecology and Protection	59.6
					9	Surveying	52.4
					10	Timber Cruising	44.7
					11	Wildlife	58.9
					12	Business Management and Employability Skills	76.7
				Perf	No data available		
0177	Fundamentals of Construction	No data available					
1203	General Management	Written	1,186	77.6	1	Business Management Technical Skills	66.8
					2	General Management	81.1
					3	Academic Foundations	76.1
					4	Systems	85.6
					5	Ethics and Legal Responsibilities	87.4
					6	Communications	74.6
					7	Information Technology Applications	78.0
					8	Problem Solving, Critical Thinking, and Decision Making	67.7
					9	Leadership and Teamwork	81.5
					10	Safety, Health, and Environmental	83.9
					11	Employability and Career Development	82.5
4242	Graphic Production Technology	Written	62	69.9	1	Introduction to Printing	72.3
					2	Electronic Publishing and Printing, Pre-Press, and Output	75.1
					3	Offset Press Operations	61.5
					4	Digital Operations	69.0
					5	Binding, Finishing, and Distribution Processes	64.0
		Perf	No data available				

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg					
4143	Health Assisting	Written	17	65.9	1	First Aid and General Safety	73.6					
					2	Medical Terminology	65.1					
					3	Body Systems	67.4					
					4	Observation and Communication	61.2					
					5	Documentation and Legal Issues of the Health Assisting Profession	76.1					
					6	Health Assistant Skills	59.6					
		Perf	16	95.4	1	Hand Washing and Personal Protective Equipment (PPE)	94.4					
					2	Change a Patient Gown	98.8					
					3	Measure Vital Signs, Height, and Weight	93.4					
					4	Transfer Patient from Bed to Wheelchair	94.8					
					<hr/>							
					1387	Health Informatics <i>(New test released 9/1/2017)</i>	Written	113	81.5	1	General Health Science Technical Skills	74.7
										2	Academic Foundations	72.3
3	Systems	79.3										
4	Ethics and Legal Responsibilities	92.5										
5	Communications	86.2										
6	Information Technology Applications	89.1										
7	Problem Solving, Critical Thinking, and Decision Making	75.4										
8	Leadership and Teamwork	85.4										
9	Safety, Health, and Environmental	74.5										
10	Employability and Career Development	93.8										
11	Health Informatics	85.7										
1141	Healthcare Core	Written	80	76.9	1	Awareness and Sensitivity to Client Needs	79.4					
					2	Behaviors for Success in Healthcare Settings	81.1					
					3	Communication in Healthcare Settings	81.9					
					4	Healthcare Ethics	60.6					
					5	Legal Issue in Healthcare	75.9					
					6	Healthcare Safety and Standard Precautions	81.1					
					7	Respecting Client and Staff Diversity	71.8					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg					
3064	Heating, Ventilation, Air Cond., and Refrigeration	Written	973	60.8	1	Electricity	49.9					
					2	Soldering, Brazing, and Welding	61.1					
					3	Pipefitting	64.5					
					4	Controls	56.7					
					5	Installation and Service	58.5					
					6	Related Math and Science	69.1					
					7	Refrigeration	45.4					
					8	Refrigerant Recovery	69.3					
					9	General Safety	72.9					
					10	Computer Literacy	66.6					
					11	Employability Skills	82.4					
					Perf	128	91.9	1	Gas Furnace Check and Start-Up	88.1		
2	Recover/Replace Refrigerant in a Refrig Sys	95.7										
3045	Heating, Ventilation, and Air Conditioning	Written	840	59.2	1	Electricity	48.8					
					2	Soldering, Brazing, and Welding	61.7					
					3	Pipefitting	67.8					
					4	Controls	55.7					
					5	Installation and Service	55.4					
					6	Related Math and Science	66.4					
					7	Refrigeration	46.4					
					8	Refrigerant Recovery	70.5					
					9	General Safety	73.4					
					10	Computer Literacy	67.1					
					11	Employability Skills	82.6					
					12	Air Conditioning	57.4					
					13	Heat Pumps and Electric Heat	61.6					
					14	Hydronic Systems	62.8					
					15	Forced Air, Gas, and Oil Units	65.3					
					16	Humidity and Air Movement	47.2					
					17	Sheet Metal and Ductwork	39.9					
Perf	370	89.4	1	Gas Furnace Check and Start-Up	90.2							
			2	Air Conditioning	88.9							

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
3046	Heavy Equipment Maintenance and Repair	Written	316	69.2	1	Maintain and Repair Engine	70.1
					2	Maintain and Repair Power Train	72.7
					3	Maintain and Repair Electrical System	70.6
					4	Maintain and Repair Brake System	60.6
					5	Welding	67.3
					6	Preventive Maintenance	77.1
					7	Maintain and Repair Hydraulic System	66.2
					8	General Shop Practices	73.9
					9	Air Conditioning	73.4
					10	Heavy Equipment Undercarriage	56.3
		Perf	32	82.5	1	Test Cooling System	96.1
					2	Electrical Testing	89.0
					3	Adjust Valve Clearance	96.9
					4	Set Carrier Ring and Pinion Backlash	88.3
					5	Identify Brake Components	95.0
					6	Measure and Adjust Track	59.2
					7	Cut and Weld Steel	55.2
4048	Home Health Aide	No data available					
4149	Horticulture-Landscaping	Written	611	74.0	1	General Knowledge	77.4
					2	Pest and Disease Management	75.2
					3	Fundamentals of Irrigation	80.7
					4	Basic Nursery/Greenhouse Skills	69.7
					5	Horticulture Business and Retailing	76.1
					6	Landscape Design	59.9
					7	Landscape Installation and Construction	66.8
					8	Landscape and Turf Maintenance	77.3
					9	Arboriculture	76.7
		Perf	11	26.5	1	Identify and Control Pests	27.6
					2	Identify Equipment Features	26.5
					3	Plant a Container-Grown Shrub	26.1
					4	Prune a Tree and an Evergreen Shrub	25.5
					5	Stake Out a Site Plan - Entrance Walkway	26.5

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
3079	Hospitality Management-Food and Beverage	Written	159	78.7	1	Introduction to the Hospitality Industry	83.5
					2	Guest Relations and Concierge	89.9
					3	Marketing and Sales	78.4
					4	Safety and Security	80.3
					5	Opening and Settling Financial Transactions	72.4
					6	Travel and Tourism	75.4
					7	Legal and Ethical Responsibilities	85.0
					8	Restaurant Management	76.7
					9	Food and Beverage Service	72.4
		Perf	No data available				
3080	Hospitality Management-Lodging	Written	117	77.5	1	Introduction to the Hospitality Industry	83.9
					2	Guest Relations and Concierge	90.2
					3	Marketing and Sales	78.5
					4	Safety and Security	75.6
					5	Opening and Settling Financial Transactions	69.3
					6	Travel and Tourism	86.7
					7	Legal and Ethical Responsibilities	88.2
					8	Housekeeping Management	70.9
					9	Front Office Procedures	72.4
		Perf	13	85.0	1	Folio and Form Completion	78.5
			2	Customer relations role play	79.2		
			3	Pricing Menu Items	98.6		
			4	Complete a Banquet Event Order Contract Form	81.2		
			5	Set up continental breakfast buffet table	96.3		
1204	Human Resources Management	Written	21	80.2	1	Business Management Technical Skills	69.0
					2	Human Resources Management	82.1
					3	Academic Foundations	78.0
					4	Systems	90.5
					5	Ethics and Legal Responsibilities	89.7
					6	Communications	81.0
					7	Information Technology Applications	80.0
					8	Problem Solving, Critical Thinking, and Decision Making	70.1
					9	Leadership and Teamwork	86.4
					10	Safety, Health, and Environmental	88.1
					11	Employability and Career Development	85.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2111	HVACR-Installation and Start-Up	Written	12	65.4	1	OSHA Guidelines and General Safety	85.9
					2	Related Math, Building Science, Blueprints, and Tools	61.4
					3	Electricity	50.0
					4	Pipe Fitting, Soldering, and Brazing	82.7
					5	Airflow and Ductwork	51.6
					6	Warm Air Systems	64.6
					7	Hydronic Systems	75.0
					8	Air Conditioning - Residential	67.0
					9	Heat Pumps, Electric Heat	52.5
					10	Introduction to Refrigeration	65.3
				Perf	No data available		
2110	HVACR-Service and Repair	Written	38	51.4	1	OSHA Guidelines and General Safety	69.4
					2	Related Math, Building Science, Blueprints, and Tools	53.2
					3	Electricity	53.1
					4	Pipe Fitting, Soldering, and Brazing	61.5
					5	Airflow and Ductwork	44.0
					6	Warm Air Systems	47.7
					7	Hydronic Systems	30.7
					8	Air Conditioning - Residential	47.2
					9	Heat Pumps, Electric Heat	42.1
					10	Refrigeration	44.5
				Perf	No data available		
2050	Industrial Electricity	Written	1,831	55.1	1	DC Theory	60.5
					2	AC Theory	49.4
					3	Test Equipment	77.0
					4	Electrical Drawings	67.5
					5	General Wiring	45.6
					6	National Electrical Code	49.7
					7	Electrical Controls	55.3
					8	Generators	62.0
					9	Motors	47.1
					10	Transformers	53.4
					11	Variable Frequency Drives (VFDs)	54.8
					12	Programmable Logic Controllers (PLCs)	47.8
					13	Safety	57.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2050	Industrial Electricity	Perf	28	89.9	1	Tools and Materials Identification	88.6
					2	Conduit Bending	89.5
					3	Wiring a Motor Starter	90.5
					4	Replacing Ballast in a Fluorescent Fixture	90.2
2051	Industrial Electronics	Written	796	54.3	1	DC Electricity	58.1
					2	AC Circuits	48.0
					3	Test Equipment	56.0
					4	Semiconductors	48.5
					5	Electronic Circuits	43.1
					6	Digital/Micro	52.6
					7	Transducers	59.0
					8	Ladder Logic and Motors	38.5
					9	Safety	72.0
					10	Programmable Logic Controllers	79.4
		Perf	94	88.7	1	Semiconductor Testing	86.3
					2	Solder/Desoldering Components	97.8
					3	Meter Usage	84.1
					4	Circuit Construction	94.4
2074	Industrial Maintenance Mechanics	Perf	26	54.4	1	Connect and Operate a Circuit	31.6
					2	Assemble a Multiple Shaft Gear Drive System	30.8
					3	Read and interpret an Industrial Blueprint	66.1
2074	Industrial Maintenance Mechanics	Written	814	56.2	1	Machinery and Equipment	63.8
					2	Tools and Safety	68.7
					3	Electronics and Electrical Principles	62.1
					4	Hydraulics and Pneumatics	57.9
					5	Motors and Motor Controls	43.3
					6	Mechanism Drives	41.7
					7	Industrial Robotics Systems	52.5
					8	Blueprints and Schematics	55.0
		Perf	26	54.4	1	Connect and Operate a Circuit	31.6
					2	Assemble a Multiple Shaft Gear Drive System	30.8
					3	Read and interpret an Industrial Blueprint	66.1
					4	Troubleshoot an Electrical Control System	85.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1131	Information Support and Services	Written	18	73.8	1	Information Technology Applications	68.4
					2	Academic Foundations	68.7
					3	Systems	73.5
					4	Ethics and Legal Responsibilities	82.7
					5	Communications	66.2
					6	Problem Solving, Critical Thinking, and Decision Making	72.2
					7	Leadership and Teamwork	83.3
					8	Safety, Health, and Environmental	78.4
					9	Employability and Career Development	75.0
					10	Information Support and Services	77.2
1132	Interactive Media	No data available					
1032	Interior Decorating and Design	Written	36	77.6	1	Safety and Environmental Issues	82.9
					2	Elements and Principles of Design	76.1
					3	Textiles, Fibers, and Fabrics	65.1
					4	Interior Materials and Products	73.4
					5	Furnishings and Accessories	77.6
					6	Art Periods and Design Styles	60.6
					7	Visual Presentation	80.3
					8	Technical Knowledge	74.2
					9	Retail Operation Procedures	86.0
					10	Marketing Skills	85.0
					11	Housing Issues	81.9
1170	IT Exploration	No data available					
1137	Legal Services	Written	137	72.2	1	General Skills	65.4
					2	Academic Foundations	76.9
					3	Systems	74.2
					4	Ethics and Legal Responsibilities	67.6
					5	Communications	84.8
					6	Information Technology Applications	80.4
					7	Problem Solving, Critical Thinking, and Decision Making	71.5
					8	Leadership and Teamwork	72.3
					9	Safety, Health, and Environment	70.9
					10	Employability and Career Development	84.9
					11	Legal Services	65.9

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1287	Lodging	No data available					
2071	Logistics Technology/Distribution Center Services	Written	57	74.6	1	Operations/Safety and Ergonomics	83.7
					2	Operations/Inventory Management	71.0
					3	Operations/Procurement	75.4
					4	Operations/Receiving	70.3
					5	Operations/Putaway	89.5
					6	Operations/Picking (Order Selection)	54.7
					7	Operations/Packing	76.5
					8	Operations/Shipping	78.4
					9	Operations/Material Handling Equipment	61.5
					10	Operations/Technology	76.4
					11	Customer Relations/Direct Comm with Customers	91.2
					12	Customer Relations/Customer Requirement Analysis	79.3
					13	Logistics/Supply Chain Management	77.7
					14	Logistics/Industry Trends and Current Topics	98.2
		Perf	17	96.0	1	Inventory Control/Cycle Count	92.5
					2	Material Handling Equipment	96.4
					3	Receiving	99.2
					4	Order Fulfillment Process	98.7
					5	Bill of Lading	90.2
1129	Maintenance Operations	No data available					
2084	Manufacturing Technology	Written	128	63.7	1	Manufacturing Math, Science, and Measurement	65.1
					2	Workplace Safety, Health, and Job Skills	76.3
					3	Quality Assurance	65.9
					4	Blueprint Reading	61.8
					5	Manufacturing Fund, Processes & Materials	63.2
					6	Material Handling	76.0
					7	Industrial Robotics Systems	50.2
					8	Computer Use	68.7
					9	Process Control	65.9
					10	Purchasing and Resource Identification Activities	62.8
					11	Electronics and Hydraulics	48.5
					12	Design Processes	59.9

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2084	Manufacturing Technology	Perf	23	77.1	1	Milling Operations	79.8
					2	Assemble A Multiple Shaft Gear Drive System	66.9
					3	Determine Gage Block Combinations	86.2
4038	Mechanical Drafting and Design	Written	84	79.2	1	Preparing to Draw: Basic Drawing and Dimensioning Skills	81.7
					2	Applied Mathematics	82.0
					3	Identify Measurements	76.6
					4	Geometric Construction	80.8
					5	Engineering Drawings	81.3
					6	Multiview Drawings	71.6
					7	Section Views	69.1
					8	Auxiliary Views	68.1
					9	Dimensioning Skills	83.2
					Perf	No data available	
2040	Mechatronics-Level 1	Written	166	68.7	1	Introduction to Mechatronics: Safety	72.6
					2	Introduction to Mechatronics: Communication	75.1
					3	Instrumentation and Measurement	69.4
					4	Electrical	63.3
					5	Mechanical	72.0
					6	Hydraulic and Pneumatic Systems	74.7
					7	Computer and Control Systems	58.7
4455	Medical Assisting <i>(New test released 9/1/2017)</i>	Written	21	80.8	1	Medical Office Procedures	77.6
					2	Foundations of Health Care	73.8
					3	General Laboratory Procedures and Diagnostic Testing	74.8
					4	Clinical Practices and Patient Care	83.4
					5	Medical Assisting Safety	78.7
					6	Patient Instruction	86.8
					7	Medical Law and Ethics for Health Care	87.0
					Perf	No data available	

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1228	Natural Resources Systems	Written	24	63.0	1	Technical Skills	60.2
					2	Academic Foundations	60.4
					3	Systems	77.8
					4	Ethics and Legal Responsibilities	72.6
					5	Communications	58.0
					6	Information Technology Applications	63.2
					7	Problem Solving, Critical Thinking, and Decision-Making	68.8
					8	Leadership and Teamwork	69.6
					9	Safety, Health, and Environmental	60.8
					10	Employability and Career Development	72.0
					11	Natural Resources	56.5
1130	Network Systems	No data available					
4158	Nursing Assisting	Written	894	77.2	1	Basic Nursing Assisting Skills	75.5
					2	Infection Control	67.0
					3	Communication Skills	73.7
					4	Personal Care Skills	82.5
					5	Mental Health and Social Service Needs	84.1
					6	Ethics, Rights, and Legal Responsibilities	82.4
					7	Basic Restorative Devices	75.9
					8	Employability Skills	77.2
		Perf	41	85.3	1	Obtain and Record Standard Vital Signs	92.3
					2	Apply and Remove Personal Protective Equipment	88.4
					3	Demonstrate Wheelchair Assistance	89.5
					4	Make an Occupied Bed	93.8
					5	Provide a Modified Bed Bath for an Adult Female Patient	73.8
		1107	Performing Arts	No data available			
1238	Personal Care Services	No data available					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4061	Plumbing	Written	759	73.5	1	Safety	76.3
					2	Plumbing Math	66.1
					3	General Plumbing Practices	76.8
					4	Joining Pipes and Fittings	76.3
					5	Drainage	72.1
					6	Vent Installation	67.6
					7	Water Supply and Distribution	79.3
					8	Hot Water Systems	76.9
					9	Traps	69.6
					10	Installing Fixtures	71.6
					11	Plumbing Service and Repair	69.0
					<hr/>		
Perf	281	93.5	1	Install and prepare to Leak Test a DWV System			94.4
				2	Install and Prepare to Leak Test a Water Supply System		
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4162	Practical Nursing	Written	17	78.4	1	Communication and Employability	87.4
					2	Legal and Ethical Responsibilities	89.0
					3	Anatomy, Physiology, and Pathophysiology	66.0
					4	Patient Care Skills	76.2
					5	Administer Medication	66.7
					6	Infection Control	81.2
					7	Psychological Support	84.9
					8	Supervised Management Functions	84.2
					<hr/>		
Perf	No data available						
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4152	Precision Machining	Written	343	73.2	1	Organization and Shop Safety Practices	84.7
					2	Measurement and Inspection	74.2
					3	Metallurgical Processes and Heat Treating	78.5
					4	Blueprint Interpretation and Process Planning	71.9
					5	Layout and Benchwork	68.6
					6	Band Saw Machines	71.8
					7	Lathes	74.1
					8	Milling Machines	65.3
					9	Surface Grinding	66.4
					10	Computer Numerical Control (CNC) Programming, Preparation, C	77.9
					11	Drill Press	76.1
					<hr/>		
Perf	22	60.8	1	Milling Operations			63.6
				2	Lathe Operations		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2475	Pre-Engineering/Engineering Technology	Written	616	69.4	1	Overview of Engineering	80.8
					2	Design Process/Problem Solving	78.2
					3	Manufacturing	65.0
					4	Assembly and Fabrication	70.0
					5	Materials	69.6
					6	Communication and Teamwork	75.4
					7	Safety	67.6
					8	Engineering Systems	63.7
		Perf			No data available		
3063	Production Agriculture	Written	230	63.9	1	Animal Science	65.3
					2	Conservation and Sustainable Natural Resources	63.0
					3	Plant Science	62.5
					4	Soil Management	64.0
					5	Agricultural Technology	67.0
					6	Agri-Business	61.8
		Perf			No data available		
2480	Protective Services	Written	75	69.5	1	Public Safety	70.7
					2	Law Enforcement	71.9
					3	Fire Fighting	75.0
					4	Emergency Medical Services	58.7
					5	Career Development	72.5
					6	Homeland Security	59.8
Perf	No data available						
1289	Recreation, Amusements, and Attractions	No data available					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1286	Restaurants, Food and Beverage Services	Written	11	84.4	1	General Hospitality and Tourism Technical Skills	86.0
					2	Academic Foundations	86.7
					3	Systems	90.9
					4	Ethics and Legal Responsibilities	93.9
					5	Communications	84.6
					6	Information Technology Applications	81.8
					7	Problem Solving, Critical Thinking, and Decision Making	79.5
					8	Leadership and Teamwork	92.4
					9	Safety, Health, and Environmental	94.8
					10	Employability and Career Development	94.5
							11
4010	Retail Commercial Baking	Written	365	77.8	1	Safety and Sanitation	82.8
					2	Business and Math Skills	75.2
					3	Identification, Classification, and Properties of Ingredients	68.7
					4	Baking Preparation (Mise en Place)	78.0
					5	Basic Baking	76.0
					6	Product Merchandising	79.8
					7	Purchasing, Receiving, Inventory, and Storage	78.9
					8	Nutrition	76.3
					9	Human Relations and Career Skills	86.0
		Perf	31	94.1	1	Soft Dinner Roll Dough	96.3
					2	Cake Decorating	90.6
					3	Fruit Pie	96.3
					4	Pâte À Choux	93.9
		4153	Retail Merchandising	Written	339	80.5	1
2	Communications						83.7
3	Visual Merchandising						87.1
4	Marketing/Merchandising						78.2
5	Technology in Retail Merchandising						83.3
6	Economics						68.5
7	Customer Service, Sales, and Selling						82.8
8	Professionalism in Retail Merchandising						87.6
9	Retail-related Mathematics						75.9
10	Entrepreneurship						74.5

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg		
4153	Retail Merchandising	Perf	64	74.5	1	Inventory Check-in	67.2		
					2	Cash Handling	75.3		
					3	Handling Customer Returns	79.1		
					4	Product Knowledge and Selling	72.9		
					5	Virtual Cash Drawer Closing of a Retail Business	76.6		
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1136	Security and Protective Services	No data available							
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3103	Small Animal Science and Technology	No data available							
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4168	Small Engine Technology	Written	24	68.1	1	Safety	76.3		
					2	General Shop Practices	73.6		
					3	Maintenance	67.9		
					4	Lubrication Systems	79.5		
					5	Fuel System Fundamentals	71.8		
					6	Governor	62.8		
					7	Ignition	52.3		
					8	Starters and Charging Systems	49.2		
					9	Cylinder Head and Valve, Service and Maintenance	67.1		
					10	Engine Assembly	75.5		
					11	Troubleshooting	64.8		
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		Perf	18	73.8	1	Start and Adjust Engine	65.6		
					2	Ignition Service	78.7		
					3	Measure Parts	91.6		
					4	Valve Service	73.9		
					5	Carburetor Service	74.1		
					6	Invoicing Parts	78.8		
7	Manual Starter Service				57.1				

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
4054	Technical Drafting	Written	304	67.6	1	Basic Drawing Skills	69.6		
					2	Geometric Construction	70.6		
					3	Applied Mathematics	81.4		
					4	Dimensioning Skills	65.3		
					5	Multiview Drawing	61.4		
					6	Threads and Fasteners	62.8		
					7	Manufacturing Processes	61.6		
					8	Design Principles	56.3		
		Perf	165	72.6	1	Visualization	72.3		
					2	Orthographic Drawing	72.6		
					3	Development	66.9		
					4	Assembly	79.1		
3427	Television Production	Written	141	72.9	1	Safety and Sanitation	83.7		
					2	Business and Math Skills	71.7		
					3	Identification, Classification, and Properties of Ingredients	71.7		
					4	Baking Preparation (Mise en Place)	72.0		
					5	Basic Baking	73.8		
		Perf	19	81.9	1	Create and Script Video	85.5		
					2	Shot Composition	80.8		
			3	Edit Shots with the Interview	79.5				
1385	Therapeutic Services (New test released 9/1/2017)	No data available							

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1288	Travel and Tourism	Written	22	62.5	1	General Hospitality and Tourism Technical Skills	61.2
					2	Academic Foundations	56.3
					3	Systems	67.4
					4	Ethics and Legal Responsibilities	75.0
					5	Communications	63.3
					6	Information Technology Applications	56.1
					7	Problem Solving, Critical Thinking, and Decision Making	51.7
					8	Leadership and Teamwork	77.3
					9	Safety, Health, and Environmental	65.6
					10	Employability and Career Development	74.5
					11	Travel and Tourism	59.7
1108	Visual Arts	Written	46	79.1	1	Technical Skills	80.6
					2	Visual Arts	74.7
					3	Academic Foundations	80.6
					4	Systems	87.3
					5	Ethics and Legal Responsibilities	80.7
					6	Communication	91.7
					7	Information Technology Applications	60.6
					8	Problem Solving, Critical Thinking, and Decision-Making	62.3
					9	Leadership and Teamwork	91.0
					10	Safety, Health, and Environmental	83.3
					11	Employability and Career Development	72.8
3425	Visual Comm & Interactive Multimedia Design	Written	68	72.8	1	Safety	79.3
					2	Career Overview	70.3
					3	Computer Literacy	75.6
					4	Interactive Media	71.6
					5	Visual Literacy	82.6
					6	Conceptual Design Process	73.3
					7	Color Theory	66.5
					8	Typography	70.6
					9	Materials and Tools	59.3
					Perf	No data available	

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2750	Web Design	Written	140	65.2	1	Internet Basics	76.6
					2	Programming/Markup/Scripting	60.6
					3	Editors	66.4
					4	Web Graphics	72.7
					5	Web Multimedia	57.8
					6	Web Marketing and Business Management	65.1
					7	Site Design	61.0
					8	Administration and Maintenance	62.9
		Perf	No data available				
4272	Welding (New test released 9/1/2017)	Written	57	67.7	1	Safety	77.0
					2	Physical Characteristics and Mechanical Properties of Metals	70.0
					3	Weld Fit-Up and Quality	70.2
					4	Welding Symbols and Blueprint Reading	70.8
					5	Oxyfuel Cutting (OFC)	64.4
					6	Arc Cutting Process (Carbon Arc and Plasma Arc)	68.0
					7	Shielded Metal Arc Welding (SMAW)	64.9
					8	Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FC)	57.8
					9	Gas Tungsten Arc Welding (GTAW)	66.6
		Perf	No data available				
2150	Wind Turbine Maintenance Technician	Written	125	73.0	1	Safety	74.4
					2	Equipment Operation	92.1
					3	Electrical and Mechanical Systems	68.2
					4	Hand Tools	65.0
					5	Maintain Equipment	74.8
					6	Computational, Technical and Writing Skills	77.0
					7	Introduction to Careers in Wind Technology	86.4
		Perf	44	90.2	1	(A) Identification of Safety Equipment	95.0
					2	(B) Identification of safety equipment	93.9
					3	(A) Demonstration of safety equipment and climbing technique	96.6
					4	(B) Demonstration of safety equipment and climbing technique	97.3
					5	Connect a Start-Stop Switch to a Contactor and Start a Motor	75.1
					6	Identify hand tools and fasteners	88.0
					7	Torque Testing	91.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
3033	Workplace Readiness	Written	918	68.5	1	Communications	67.3
					2	Problem Solving and Critical Thinking	61.5
					3	Information Technology Applications	71.8
					4	Systems	62.9
					5	Safety, Health, and Environment	63.0
					6	Leadership and Teamwork	79.5
					7	Ethics and/or Legal Responsibilities	82.6
					8	Employability and/or Career Development	70.3