

Job Ready National Averages

Secondary

July 1, 2010

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
1037	21st Century Skills for Workplace Success	Written	1,396	73.1	1	Reading Skills	75.7
					2	Math Skills	66.6
					3	Writing Skills	71.8
					4	Speaking and Listening Skills	68.5
					5	Computer Literacy	55.6
					6	Reasoning, Problem-Solving, and Decision-Making	68.8
					7	Understand the "Big Picture"	72.6
					8	Work Ethic	81.6
					9	Positive Attitude	83.5
					10	Independence and Initiative	80.1
					11	Self Presentation	76.4
					12	Attendance	85.1
					13	Team Member	65.4
3900	Accounting - Advanced	Written	4,306	48.9	1	Journalizing	48.9
					2	Posting	50.9
					3	Payroll Preparation	51.2
					4	Banking and Banking Procedures	48.7
					5	Merchandise Inventory	48.7
					6	Completion of Accounting Cycle	48.2
					7	Locating Source Data	55.2
					8	Mechanical and Electronic Accounting Devices	61.4
					9	Advanced Accounting Practices	43.1
		Perf	157	67.7	1	Identification of Account Balances	81.3
					2	Journal Entries	72.6
					3	Payroll	70.3
					4	Worksheet	68.6
					5	Financial Statements	63.2
					6	Locating Information in Source Documents	64.5
					7	Financial Statement Comparison	56.8
					8	Advanced Journal Entries	63.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
3000	Accounting - Basic	Written	6,130	53.1	1	Journalizing	52.2
					2	Posting	54.3
					3	Payroll Preparation	52.9
					4	Banking and Banking Procedures	52.4
					5	Merchandise Inventory	50.6
					6	Completion of Accounting Cycle	50.2
					7	Locating Source Data	56.4
					8	Mechanical and Electronic Accounting Devices	61.9
		Perf	971	66.1	1	Identification of Account Balances	73.9
					2	Journal Entries	69.8
					3	Posting Verification	73.5
					4	Banking	73.8
					5	Payroll	70.0
					6	Worksheet	62.7
					7	Financial Statements	56.1
					8	Locating Information in Source Documents	59.7
4001	Administrative Assisting	Written	2,354	59.3	1	Computer Applications	64.1
					2	Working in an Office Environment	65.2
					3	Records Management	53.3
					4	Office Procedures	62.2
					5	Accounting and Computational Skills	46.4
		Perf	1,287	84.2	1	Business Writing-Memo Preparation	88.7
					2	Document Processing	79.1
					3	Preparing a Spreadsheet	83.5
					4	Creating a Chart	87.5
					5	Create a Flyer	89.7
1105	Administrative Services	Written	118	56.6	1	Technical Skills	46.4
					2	Administrative and Information Support	54.4
					3	Academic Foundations	61.1
					4	Systems	59.9
					5	Ethics and Legal Responsibilities	61.7
					6	Communication	68.2
					7	Information Technology Applications	52.2
					8	Problem Solving, Critical Thinking and Decision-Making	45.9
					9	Leadership and Teamwork	63.7
					10	Safety, Health, and Environmental	48.5
					11	Employability and Career Development	70.2

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
4019	Advertising and Design	Written	1,855	66.1	1	Computer Literacy	77.7
					2	Typography	62.6
					3	Design Theory and Application	66.9
					4	Color Theory and Application	70.1
					5	Drawing and Digital Illustration	62.4
					6	Photography	59.8
					7	Production and Printing	57.2
					8	Communication and Career Skills	79.1
					9	Work Environment	57.1
					10	Multimedia	66.4
					11	Digital Image Manipulation	56.2
		Perf	1,375	89.0	1	Design: Final Computer Comprehensive-Preparing and Printing	89.6
					2	Layout: Comprehensive Redesign	88.5
2102	Agriculture Mechanics	Written	641	51.9	1	Safety	56.8
					2	Welding and Mechanics	48.3
					3	Power and Machinery	56.7
					4	Electrical Power and Process	47.1
					5	Agricultural Structures	52.2
					6	Agribusiness	57.1
					7	Environmental and Natural Resource Systems	42.5
					8	Careers in Agriculture Mechanics	43.5
		Perf	206	86.2	1	Horizontal Square Groove Butt Weld - SMAW	84.2
					2	Oxyacetylene Cutting	82.5
					3	Troubleshoot and Diagnose a Gas Engine	90.3
					4	Install a Switch to Control a Light	90.6
					5	Mark a Common Rafter	79.8
			6	Set Up and Instrument Leveling of the Farm Level	91.8		
3004	Architectural Drafting	Written	1,428	54.9	1	Preparing to Draw; Basic Drawing/Dimensioning	64.2
					2	Geometric Construction	64.6
					3	Applied Mathematics	61.8
					4	Drawing Techniques; Supplementary Views	51.6
					5	Planning	53.5
					6	Architectural Drawing Types	52.8
					7	Site Plans	53.4
					8	Structural Drawings	48.7
					9	Mechanical and Electrical Systems	54.9
					10	Supplemental Drafting Activities	43.2
					11	Specifications	42.9

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
3004	Architectural Drafting	Perf	901	78.9	1	Architectural Symbols & Abbreviations	54.7
					2	Elevation	73.9
					3	Kitchen and Bath Floor Plan	87.3
					4	Light Framing of Sill and Wall	80.5
2005	Audio-Visual Communications Technology	Written	933	45.6	1	Photography	39.6
					2	Computer Based Technology	46.5
					3	Film/Video Production	47.4
					4	Audio Production	48.5
					5	Presentation Technology	30.9
					6	Creative Development	49.5
					7	Visual Design	42.0
					8	Project Management	48.7
					9	Equipment Maintenance and Troubleshooting	44.4
					10	Network Technology	43.5
					11	Related Information	39.8
	Perf	369	83.3	1	Still Photography - 35MM/Digital Camera	84.1	
				2	Still Photography - Film Development/File Transfer	91.7	
				3	Still Photography - Printing/Image Manipulation	87.3	
				4	Audion Production - Record/Edit/Mix	81.5	
				5	Presentation Equip. Usage & Maint. - Data/Video Projector	85.8	
				6	Presentation Equip. Usage & Maint. - Monitor	85.9	
				7	General Troubleshooting	78.7	
				8	Hardware & Software Upgrade	82.1	
				9	Video Shooting & Editing	80.3	
				10	Operate Computer Graphics Equip.	85.8	
4008	Automotive Technician Advanced	Written	243	48.4	1	Customer Relations and Shop Procedures	61.6
					2	Engine Repair	51.0
					3	Automatic Transmission/Transaxle	45.1
					4	Manual Drive Train and Axles	46.8
					5	Suspension and Steering	52.1
					6	Brakes	50.2
					7	Electrical/Electronic Systems	47.5
					8	Heating and Air Conditioning	41.0
					9	Engine Performance	43.9

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
4008	Automotive Technician Advanced	Perf	876	90.0	1	Identification of Parts	84.2
					2	Disc Brake Assembly Service	90.5
					3	Tire Service and Balance	97.1
					4	Cylinder Head Service	91.2
					5	Perform Fuel System Pressure Test	91.2
					6	Windshield Washer Circuit Inoperative	87.4
					7	Test and Diagnose Battery, Starting, and Charging System	85.4
					8	Test Electronic Engine Control Components	94.8
4109	Automotive Technician Core	Written	5,607	49.3	1	Customer Relations and Shop Procedures	62.7
					2	Engine Repair	51.2
					3	Suspension and Steering	53.4
					4	Brakes	49.5
					5	Electrical/Electronic Systems	46.0
					6	Engine Performance	43.3
		Perf	3,348	89.8	1	Identification of Parts	83.3
					2	Disc Brake Assembly Service	91.1
					3	Tire Service and Balance	93.6
			4	Cylinder Head Service	87.6		
4009	Automotive Technician Standard	Written	1,424	51.0	1	Customer Relations and Shop Procedures	62.7
					2	Engine Repair	52.5
					3	Automatic Transmission/Transaxle	46.0
					4	Manual Drive Train and Axles	46.6
					5	Suspension and Steering	52.6
					6	Brakes	50.3
		Perf	881	88.7	1	Identification of Parts	82.0
					2	Disc Brake Assembly Service	90.8
					3	Tire Service and Balance	93.1
			4	Cylinder Head Service	85.3		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
1096	Banking and Related Services	Written	195	65.0	1	Cluster Technical Skills - Finance	59.5
					2	Technical Skills - Banking and Related Services	55.9
					3	Academic Foundations	61.5
					4	Systems	65.8
					5	Ethics and Legal Responsibilities	63.5
					6	Communication	73.0
					7	Information Technology Applications	55.3
					8	Problem Solving, Critical Thinking, and Decision Making	72.4
					9	Leadership and Teamwork	77.8
					10	Safety, Health and Environmental	69.1
					11	Employability and Career Development	86.9
1106	Broadcasting and Journalism	Written	11	72.0	1	Technical Skills	72.1
					2	Broadcasting and Journalism	54.5
					3	Academic Foundations	80.3
					4	Systems	80.3
					5	Ethics and Legal Responsibilities	77.9
					6	Communication	88.6
					7	Information Technology Applications	53.2
					8	Problem Solving, Critical Thinking, and Decision-Making	68.2
					9	Leadership and Teamwork	89.6
					10	Safety, Health, and Environmental	77.3
					11	Employability and Career Development	65.2
2011	Building Construction Occupations	Written	1,949	55.9	1	Safety and General Knowledge	77.7
					2	Carpentry	64.1
					3	Masonry	54.1
					4	Electrical	43.7
					5	Plumbing	47.4
					6	Energy Efficiency	52.2
					7	Blueprints and Construction Math	50.7
		Perf	1,602	84.0	1	Soldering and Threading Pipe	91.1
					2	Rafter Layout	77.7
					3	Stair Layout	79.5
					4	Rough and Finish Electrical	85.6
					5	Block Wall Construction	84.2

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
3012	Building Trades Maintenance	Written	455	53.5	1	Safety	60.2
					2	Tools and Materials	57.5
					3	Carpentry	62.2
					4	Painting and Wall Covering	59.2
					5	Masonry	52.8
					6	Electrical	50.8
					7	Plumbing	48.9
					8	Welding	41.1
					9	General Maintenance	43.6
					10	Grounds and Equipment Maintenance	53.7
					11	HVAC	56.0
		Perf	436	82.5	1	Carpentry: Construction Frame	85.5
						Plumbing: Sweat Piping	78.6
						Electricity: Rough Wiring	86.3
						Drywall	78.8
						Electricity: Finish Wiring	82.7
						Carpentry: Mortise Hinge	81.4
1095	Business Financial Management	Written	404	65.4	1	Cluster Technical Skills - Finance	60.6
					2	Technical Skills - Business Financial Management	53.7
					3	Academic Foundations	62.7
					4	Systems	67.7
					5	Ethics and Legal Responsibilities	63.8
					6	Communication	73.7
					7	Information Technology Applications	59.7
					8	Problem Solving, Critical Thinking, and Decision Making	71.8
					9	Leadership and Teamwork	80.0
					10	Safety, Health and Environmental	69.3
					11	Employability and Career Development	89.4
3013	Business Information Processing	Written	2,432	64.5	1	General Computer Concepts	65.6
					2	Internet Operations	66.7
					3	PC (Personal Computer) Operations	62.7
					4	Accounting Related Computer Functions	52.3
					5	Information Technology Software Applications	71.1
					6	Business Math	57.9
					7	Communication	65.9
					8	Office Environment and Safety	63.1

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
3013	Business Information Processing	Perf	1,840	86.4	1	File Management	92.7
					2	Spreadsheet	82.3
					3	Word Processing: Create and Format	90.6
					4	Word Processing: Table Creation	94.0
					5	Database Design and Reports	79.5
					6	Presentations	92.3
2014	Cabinetmaking	Written	946	47.9	1	Safety	56.7
					2	Hand and Power Tools	48.5
					3	Stationary Saws	49.2
					4	Boring Machines	43.2
					5	Design and Layout	45.9
					6	Estimating and Measuring	47.4
					7	Milling	45.4
					8	Jointery	47.3
					9	Assembly	47.7
					10	Finishing	49.8
					11	Installation	44.6
		Perf	381	81.7	1	Layout, Cut, and Assemble Front Frame	83.7
					2	Layout One Drawer	79.8
3973	CAD	Written	1,985	56.1	1	Identifying Hardware and Operating Systems	64.3
					2	Using Hardware and Operating Systems	68.9
					3	Interpreting and Reading Blueprints	49.5
					4	Creating & Manipulating Mechanical Drawing Info	55.8
					5	Drawing and Designing Assemblies	57.4
					6	Using 3-D Modeling	51.0
		Perf	732	77.8	1	Create a 2-D Orthographic Drawing on CAD with a Section View	80.0
					2	Create a 3-D Solid Model	85.0
					3	Create Two Parts to be Mated and Mate the Parts	70.7
3073	CAD/CAM	Written	25	50.1	1	Identify Hardware and Operating Systems	69.2
					2	Using Hardware and Operating Systems	66.0
					3	Interpreting and Reading Blueprints	40.4
					4	Creating & Manipulating Mechanical Drawing Info	52.2
					5	Drawing and Designing Assemblies	55.5
					6	Using 3-D Modeling	50.6
					7	Machining Fundamentals	50.3
					8	CNC Operation	41.3
					9	CNC Programming Preparation	51.4
					10	CNC Programming Using a CAM System	39.2

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
3073	CAD/CAM	Perf	35	75.8	1	Create a 2-D Orthographic Drawing on CAD with a Section	80.0
					2	Create a 3-D Solid Model	83.4
					3	Creat Two Parts to be Mated and Mate the Parts	66.2
					4	Manufacture a Part from an Existing Drawing	75.7
1100	Career Skills	Written	416	49.7	1	Communications	53.0
					2	Problem Solving and Critical Thinking	37.5
					3	Information Technology Applications	54.1
					4	Systems	47.7
					5	Safety, Health and Environment	48.3
					6	Leadership, Management and Teamwork	60.0
					7	Ethics and/or Legal Responsibilities	57.7
					8	Employability and/or Career Development	46.1
4015	Carpentry	Written	2,230	55.6	1	Safety	63.6
					2	Tools and Accessories	66.5
					3	Blueprint Reading and Estimation	52.7
					4	Foundations, Forms, and Concrete	50.4
					5	Rough Framing	57.3
					6	Exterior Finish	55.0
					7	Interior Systems Installation	53.0
					8	Interior Finish	45.3
					9	Carpentry Related Mathematics	57.7
		Perf	1,336	82.5	1	Tool and Material Identificaton	90.1
					2	Square Layout	86.6
					3	Builder's Level	86.4
					4	Blueprint Reading/Sole Plate Layout	75.0
					5	Rafter Layout	79.9
	6	Stairway Stringer			79.8		
	7	Interior Frame			83.2		
2018	Clothing and Textiles Management and Production	Written	1,268	57.2	1	Garment Construction	58.2
					2	Finished Garment Alterations	54.8
					3	Textiles	54.7
					4	Applied Mathematics	54.5
					5	Patternmaking	43.1
					6	Manufacturing and Industrial Sewing	62.8
					7	Career Opportunities	59.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
2018	Clothing and Textiles Management and Production	Perf	849	86.5	1	Seam Samples	87.9
					2	Zipper Insertion	84.6
					3	Layout and Cutting	93.7
					4	Bodice Construction	87.7
					5	Pants Construction	85.3
					6	Alterations--Hem, Waist, Center Back Seam	76.0
3006	Collision Repair	Written	2,203	55.8	1	Structural	56.6
					2	Non-Structural	54.6
					3	Mechanical & Electrical Systems	47.0
					4	Safety and Environmental Issues	67.4
		Perf	1,720	88.6	1	Component Identification	85.4
					2	Door Striker Repair	94.2
					3	Welding	87.9
					4	Sheet Metal Repair	87.7
					5	Vehicle Measurement	87.7
		2083	Collision Repair/Refinishing Technology	Written	4,367	55.4	1
	2			Non-structural			55.0
	3			Painting and Refinishing			57.4
	4			Mechanical and Electrical Systems			44.7
	5			Safety and Environmental Issues			66.7
Perf	3,312			86.9	1	Component Identification	79.3
					2	Door Striker Repair	92.6
					3	Welding	85.8
					4	Sheet Metal Repair	86.7
					5	Refinishing	88.1
					6	Masking	87.4
					7	Vehicle Measurement	83.8
3020	Commercial Foods			Written	5,040	60.6	1
			2	Safety and Sanitation			77.6
			3	Culinary Techniques			56.5
			4	Recipes and Culinary Math			40.1
			5	Purchasing and Management Skills			52.3
			6	Menu Design and Nutrition			56.8
			7	Customer and Table Service			60.1
			8	Culinary Equipment			76.9

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg	
3020	Commercial Foods	Perf	4,464	90.8	1	Hand Tools and Small Equipment Identification	94.7	
					2	Herb, Spice, and Flavoring Identification	83.2	
					3	Knife Skills	90.8	
					4	Cooking Skills	91.4	
3414	Computer Networking Fundamentals	Written	646	56.9	1	PC Principles	62.9	
					2	Network Connections	61.8	
					3	Physical Connection Types	68.0	
					4	Network Standards and Devices	50.3	
					5	Network Terminology	52.2	
					6	Network Architecture	53.9	
					7	Network Addressing	60.2	
					8	Network Security	63.4	
					9	Network Design	48.0	
			Perf	511	91.4	1	Create Simple LAN with Two PCs	93.8
				2	Create Simple LAN with Three PCs	89.7		
3023	Computer Programming	Written	873	52.0	1	Analyze Programming Problems & Flowchart Solutions	55.1	
					2	Design Program Solutions	48.6	
					3	Code Programs	49.1	
					4	Test Programs	55.7	
					5	Convert & Maintain Programs	54.3	
					6	Complete User Documentation & Technical Writing	50.7	
					7	General Information & Concepts	51.8	
			Perf	513	78.7	1	Write a Program	78.6
						2	Design Solution Logic	78.9
3415	Computer Repair Technology	Written	786	57.6	1	Installing, Configuring, Upgrading	55.4	
					2	Diagnosing, Troubleshooting	58.5	
					3	Preventive Maintenance	66.3	
					4	System Boards, Processors, and Memory	60.2	
					5	I/O Devices	50.6	
					6	Printing	47.7	
					7	Basic Networking	53.8	
					8	Security	55.2	
					9	Customer Support and Ethics	72.2	
	Perf	421	92.3	1	Device Identification	84.3		
				2	Network Connectivity	96.9		
				3	Installing New Hardware/Troubleshooting	92.2		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
4022	Computer Technology	Written	198	64.1	1	Professional Behavior	82.4
					2	General Computer Knowledge/Concepts	61.5
					3	PC Hardware Knowledge	60.6
					4	PC Software Knowledge	66.0
					5	Networking and Data Communications	57.5
					6	Security	68.5
		Perf	121	88.3	1	File Management Using Windows GUI	93.7
					2	Word Processing Applications	87.5
					3	Spreadsheet Applications	83.5
					4	Network Connectivity	86.4
3025	Construction Masonry - Blocklaying Option	Written	855	60.5	1	Hand and Power Tools	74.6
					2	Scaffolds and Ladders	58.0
					3	Materials	64.2
					4	Blueprints and Specifications	47.9
					5	Project Layout	56.8
					6	Masonry Structure Maintenance	56.0
					7	Flashing, Weeps, Insulation	48.3
					8	Professionalism	69.0
					9	Craft Knowledge	71.0
					10	Installation of Lintels	71.5
					11	Door and Window Frames	64.4
					12	Control Joints and Anchor Bolts	63.5
					13	Fireplaces and Chimneys	54.8
					14	Math and Measurements	56.8
					15	Safety	79.7
					16	Specialty Areas - Block	53.6
		Perf	910	83.6	1	Job Layout	88.4
2	Build a Block Stretcher Bond Wall				83.8		
3	Project Jointing				76.1		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
3125	Construction Masonry - Bricklaying Option	Written	853	56.0	1	Hand and Power Tools	70.3
					2	Scaffolds and Ladders	51.7
					3	Materials	57.5
					4	Blueprints and Specifications	42.1
					5	Project Layout	48.7
					6	Masonry Structure and Maintenance	51.9
					7	Flashing, Weeps, Insulation	43.4
					8	Professionalism	67.4
					9	Craft Knowledge	66.4
					10	Installation of Lintels	61.7
					11	Door and Window Frames	58.2
					12	Control Joints and Anchor Bolts	54.7
					13	Fireplaces and Chimneys	48.3
					14	Math and Measurements	52.0
					15	Safety	76.9
					16	Specialty Areas - Brick	52.7
		Perf	548	82.1	1	Job Layout	86.1
					2	Construct a Brick Wall/Pier in Stretcher Bond	82.8
					3	Project Jointing	74.3
2082	Cosmetology	Written	8,386	69.1	1	Scientific Concepts	73.6
					2	Professionalism and Employability Skills	78.1
					3	Physical Service	68.5
					4	Manicuring and Pedicuring Skills	63.3
					5	Chemical Services	64.5
					6	Hair Designing	66.9
		Perf	6,968	91.8	1	Chemical Applications	91.2
					2	90 Degree Haircut	90.4
					3	Blow Dry/Curl and Press Hair	91.9
					4	Plain Manicure	93.3
					5	Job Interview	94.9
3081	Criminal Justice	Written	6,596	65.1	1	Crime Scene Handling	67.9
					2	Use of Force Continuum	72.5
					3	Criminal Law and Procedures	61.3
					4	Health Issues	64.3
					5	Police Concepts and Skills	76.0
					6	Corrections: Concepts and Skills	64.5
					7	Court System	60.3
					8	Communication	60.3
					9	Security: National, International, and Private	60.2
					10	Understanding and Working with Special Populations	65.5

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg		
3081	Criminal Justice								
		Perf	3,394	92.8	1	Crime Scene Investigation	92.9		
					2	Arrest	92.2		
					3	Perform CPR on an Adult	94.0		
4136	Culinary Arts Cook Level 2	Written	2,950	69.7	1	Recipes	72.9		
					2	Knife Skills	65.3		
					3	Large and Small Equipment	74.5		
					4	Sanitation and Safety	80.3		
					5	Cold Food Preparation	66.8		
					6	Fruits, Vegetables, and Starches	63.3		
					7	Bakery Products	61.1		
					8	Stocks, Sauces, and Hot Soups	60.0		
					9	Meats, Poultry, and Seafood	66.2		
					10	Breakfast Foods	76.4		
					11	Receiving and Storage	74.4		
					12	Nutritional Values	74.2		
					13	Customer Service	69.7		
					14	Management and Employability Skills	73.9		
				Perf	2,758	85.0	1	Prepare Chicken Hunter Style With Sauce	84.8
							2	Prepare Sautéed Potatoes	84.8
							3	Prepare Steamed Green Vegetables	85.5
					4	Prepare Cream Puffs with Whipped Cream and Ganache	85.0		
4036	Culinary Arts Prep Cook Level 1	Written	3,241	64.6	1	Recipes	64.0		
					2	Knife Skills	59.7		
					3	Large and Small Equipment	67.4		
					4	Sanitation and Safety	72.3		
					5	Cold Food Preparation	61.1		
					6	Fruits, Vegetables, and Starches	57.9		
					7	Bakery Products	52.7		
					8	Stocks, Sauces, and Hot Soups	61.3		
					9	Meats, Poultry, and Seafood	56.5		
					10	Breakfast Foods	69.4		
					11	Receiving and Storage	68.3		
					12	Nutritional Values	69.5		
					13	Management and Employment Skills	69.7		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
4036	Culinary Arts Prep Cook Level 1	Perf	1,614	87.2	1	Identification of Kitchen Equipment	93.8
					2	Identification of Herbs, Spices, Fruits, and Vegetables	89.0
					3	Knife Sharpening: Stone and Steel	87.8
					4	Knife Skills	86.0
					5	Prepare Tomato, Cucumber, and Colored Bell Pepper Salad	87.2
					6	Prepare French Strawberry Dessert Omelet	85.8
4026	Dental Assisting	Written	764	69.1	1	Introduction to the Dental Assisting Profession	74.5
					2	Communication	81.2
					3	Infection Control and Hazards Management	74.1
					4	Clinical Procedures	68.6
					5	Radiological and Digital Imagery Procedures	63.3
					6	Performing Clerical Functions	70.5
					7	Sciences of Dental Assisting	63.7
		Perf	499	91.5	1	Chart Oral Conditions	87.9
					2	Assemble and Disassemble Aspirating Syringe	96.5
					3	Assemble Radiographic Equipment with Film	91.1
					4	Mount Full Series Radiographs	89.0
					5	Prepare Instruments for Autoclaving	95.2
					6	Appointment Scheduling	92.2
					7	Prepare Amalgam Tray	87.9
1417	Dental Laboratory Technology	Written	135	59.4	1	Oral and Dental Anatomy	67.4
					2	Removable Prosthodontics - Complete Dentures	61.6
					3	Denture Repair	61.8
					4	Removable Prosthodontics - Partial Dentures	55.3
					5	Fixed Prosthodontics - Crown and Bridge	54.8
					6	Physiology of the Tooth, Skull and Occlusion	52.0
					7	Dental Materials and Equipment	70.2
					8	Fixed Prosthodontics - Ceramics	50.9
					9	Orthodontics	65.9
					10	Safety and Health	83.7
		Perf	80	81.8	1	Impression Tray Model	86.0
					2	Full Contour, Mandibular 1st Molar Crown	75.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg		
3027	Diesel Engine Technology	Written	2,086	58.1	1	Safety and General Shop Practices	75.6		
					2	Diesel Engine Terminology and Theory	58.8		
					3	Preventive Maintenance	56.1		
					4	Engine Construction	56.7		
					5	Service Induction and Exhaust Systems	61.4		
					6	Diesel Fuel Systems	46.1		
					7	Cylinder Heads	51.4		
					8	Block Assembly	58.9		
					9	Engine Electrical/Electronics Systems	47.1		
					10	Engine Diagnosis and Failure Analysis	57.9		
		Perf	1,784	89.8	1	Check and Adjust Rocker Level Clearance	92.8		
					2	Measurement of Crankshaft Bearing Clearances	92.3		
					3	Cylinder Liner Installation	85.1		
					4	Electrical Testing	91.2		
					5	Perform a Coolant System Inspection	90.2		
		3016	Early Childhood Care and Education	Written	8,960	74.4	1	Program Management	75.4
							2	Professionalism	82.4
							3	Observation and Documentation of Learning	58.6
							4	Health and Safety	78.0
5	Cognitive Development						78.7		
6	Language Development and Communication						71.7		
7	Physical Development						69.5		
8	Social and Emotional Development						72.7		
9	Creativity						78.9		
10	Culturally Relevant Care and Education						70.1		
11	Inclusion of Children with Special Needs						68.3		
12	Positive Adult-Child Relationship and Guidance						69.3		
13	Positive Relationships with Families						84.5		
Perf	4,846			91.6	1	Demonstrate Washing of Caregiver's Hands	96.1		
						Arrange a Room	89.1		
						Prepare a Lesson Plan	91.6		
						Storytelling	90.9		
						Gross Motor Stretching Activity	91.6		
						Present a Lesson Plan	92.6		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
1025	Education and Training	Written	50	64.6	1	Cluster Technical Skills	59.3
					2	Pathway Technical Skills - Teaching and Training	61.9
					3	Academic Foundations	62.2
					4	Systems	52.3
					5	Ethics and Legal Responsibilities	63.7
					6	Communication	69.3
					7	Information Technology	66.0
					8	Problem Solving and Critical Thinking	58.6
					9	Leadership and Teamwork	77.0
					10	Safety, Health, and Environment	71.1
					11	Employability and Career Development	75.0
4030	Electrical Construction Technology	Written	1,222	52.8	1	Introduction to the Electrical Construction Career	53.2
					2	OSHA Regulations and Electrical Safety Practices	66.5
					3	Meters, Measurements, Testing	58.1
					4	Tools, Materials, and Components	70.8
					5	National Electric Code (NEC)	53.0
					6	Blueprints, Specifications, and Estimations	58.2
					7	AC Theory and Magnetic Theory	43.5
					8	Motor Control Circuits, Logic Circuits, and Programmable L	46.9
					9	DC: Basic Electric and Electron Theories	47.5
					10	Circuit Theorems and Conversions	45.8
					11	Wiring, Circuits, and Installation	59.3
					12	Transformers	42.5
					13	Motors	34.7
		Perf	1,380	89.3	1	Switch Controls, Conduit Bending, and GFCI Receptacles	88.4
			2	Doorbell Circuit	92.3		
2031	Electrical Occupations	Written	1,893	57.8	1	Safety	64.3
					2	Wiring Methods	67.9
					3	Tools	80.6
					4	Motors and Motor Control	55.4
					5	National Electrical Code	49.3
					6	Blueprint Reading and Estimating	66.5
					7	Applied Mathematics	46.5
					8	Alternating Current (AC)	38.2
					9	Direct Current (DC)	37.8
		Perf	1,660	87.1	1	Install Cable from Meter Base to Service Entrance Panel	92.1
			2	Wire Lighting Control	89.5		
			3	Install Door Chimes	92.2		
			4	Calculate, Build, and Test a DC Circuit	73.3		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg		
2034	Electronics	Written	637	51.7	1	DC Circuits	56.8		
					2	AC Circuits	46.1		
					3	Solid State Circuits	44.9		
					4	Soldering and De-soldering	64.4		
					5	Use of Equipment	54.9		
					6	Digital Theory	50.4		
					7	Technical Related Mathematics	50.0		
		Perf	223	80.5	1	IC Identification	94.2		
					2	DC Circuit Construction and Analysis	82.9		
					3	Power Supply Construction and Analysis	73.9		
					4	De-Soldering and Soldering	93.4		
					5	CE Amplifier Construction and Analysis	67.4		
		3035	Electronics Technology	Written	2,005	43.9	1	Safety Practices	64.6
							2	Fundamental Electrical Principles	50.7
3	Electronic Testing						57.8		
4	Direct Current (DC) Circuit Analysis						45.5		
5	Alternate Current (AC) Analysis						48.3		
6	Electronic Device Analysis and Applications						36.8		
7	Digital Electronic Circuits						38.7		
8	Communications						29.5		
9	Prototyping and Fabrication Techniques						37.8		
Perf	1,464			84.4	1	Power Supply Construction/Analysis	88.6		
					2	OP AMP Construction/Analysis	86.4		
					3	Design & Build a Combinational Logic Circuit	78.4		
1094	Financial and Investment Planning			Written	142	68.7	1	Cluster Technical Skills - Finance	63.7
							2	Technical Skills - Financial and Investment Planning	59.9
		3	Academic Foundations				60.7		
		4	Systems				69.3		
		5	Ethics and Legal Responsibilities				71.0		
		6	Communication				75.3		
		7	Information Technology Applications				61.4		
		8	Problem Solving, Critical Thinking, and Decision Making				76.5		
		9	Leadership and Teamwork				84.4		
		10	Safety, Health and Environmental				76.9		
		11	Employability and Career Development				91.7		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
4049	Floriculture	Written	363	59.4	1	Basic Floral Design	65.1
					2	Intermediate Floral Design	56.0
					3	Advanced Floral Design	73.7
					4	Small Business	61.8
					5	Plant Sciences	45.0
		Perf	122	81.5	1	Isosceles Triangle Arrangement	86.1
					2	Design a Multi-Flower Corsage	90.3
					3	Cash Register/Sales	96.4
					4	Plant Classification	65.0
4949	Floriculture - Greenhouse	Written	266	58.5	1	Basic Floral Design	66.8
					2	Intermediate Floral Design	57.1
					3	Advanced Floral Design	75.8
					4	Small Business	64.5
					5	Greenhouse Operations	52.3
					6	Plant Sciences	49.1
					7	Soil Sciences	48.2
		Perf	130	83.9	1	Isosceles Triangle Arrangement	86.8
					2	Design a Multi-Flower Corsage	86.9
					3	Start/Propagate Geraniums from a Stem Tip Cutting	90.8
			4	Cash Register/Sales	70.6		
			5	Plant Classification	91.7		
3037	Forestry Products and Processing	Written	105	54.2	1	Safety	77.8
					2	Logging, Harvesting	56.6
					3	Tree Identification	68.6
					4	Sawmill Operation	46.7
					5	Diesels and Hydraulics	56.2
					6	Chain Saws	57.1
					7	Silviculture and Forest Management	41.2
					8	Forest Ecology and Protection	50.4
					9	Surveying	53.5
					10	Timber Cruising	44.8
					11	Wildlife	53.1
					12	Business Management and Employability Skills	62.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
3037	Forestry Products and Processing	Perf	63	76.5	1	Manually Fell a Tree	92.6
					2	Identify Leaf, Bud, and Bark Specimens	74.3
					3	Grade Hardwood or Pine Lumber	70.8
					4	Scale Hardwood or Pine Logs	70.1
					5	Sharpen and Adjust Chain Saw	96.6
					6	Calculate Acreage	70.8
					7	Plot and Analyze 1/5 Acre	65.4
3038	General Drafting & Design	Written	1,072	59.9	1	Prepare to Draw: Basic Drawing/Dimensioning Skills	66.3
					2	Geometric Construction	62.2
					3	Drawing Techniques	56.9
					4	Applied Mathematics	71.6
					5	Dimensioning Skills	56.3
					6	Supplementary Views	47.7
		Perf	877	81.3	1	Geometric Construction	88.6
					2	Auxiliary Views	77.9
					3	Drawing Completion and Dimensioning	82.3
					4	Machined Part Dimensioning	77.7
					5	Pattern Development	78.1
					6	Section Drawing	82.0
1103	General Management	Written	479	56.3	1	Technical Skills	50.0
					2	Business Management	53.2
					3	Academic Foundations	60.7
					4	Systems	64.3
					5	Ethics and Legal Responsibilities	57.4
					6	Communication	64.6
					7	Information Technology Applications	50.9
					8	Problem Solving, Critical Thinking and Decision-Making	45.6
					9	Leadership and Teamwork	61.5
					10	Safety, Health, and Environmental	47.0
					11	Employability and Career Development	70.1
4142	Graphic Communications Technology	Written	1,242	53.1	1	Introduction to Printing	61.9
					2	Electronic Publishing and Printing, Pre-Press, and Output	52.7
					3	Offset Press Operations	49.6
					4	Finishing and Binding	50.7
		Perf	1,197	87.9	1	Design and Pre-Press	89.3
					2	Generate A Plate from an Original	88.9
					3	Duplicator and Press Operations	84.2
					4	Finishing	92.0

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg		
3043	Health Assisting	Written	2,841	71.9	1	Medical Terminology	68.8		
					2	Observation and Communication	85.2		
					3	Documentation and Legalities of the Health Assisting Profe	84.4		
					4	Health Assisting Skills	64.2		
					5	Body Systems	63.8		
					6	First Aid and General Safety	78.0		
		Perf	1,645	95.1	1	Hand Washing and Application/Removal of Personal Equipm	96.7		
					2	Patient Medical Record	92.1		
					3	Measure Vital Signs, Height, and Weight	96.4		
					4	Transfer Patient from Bed to Wheelchair	91.2		
					5	Making an Unoccupied Bed	94.2		
		3046	Heavy Equipment Maintenance Repair	Written	96	56.7	1	Maintain and Repair Engine	56.9
							2	Maintain and Repair Power Train	59.1
							3	Maintain and Repair Electrical System	56.8
							4	Maintain and Repair Brake System	50.7
5	Welding						53.6		
6	Preventive Maintenance						66.5		
7	Maintain and Repair Hydraulic System						49.3		
8	General Shop Practices						62.0		
9	Air Conditioning						56.1		
10	Heavy Equipment Undercarriage						50.1		
Perf	64			90.1	1	Test Cooling System	96.1		
					2	Electrical Testing	85.4		
					3	Adjust Valve Clearance	92.4		
					4	Set Carrier Ring and Pinion Backlash	90.6		
					5	Identify Brake Components	89.3		
					6	Measure and Adjust Track	95.7		
					7	Cut and Weld Steel	82.9		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg		
3048	Home Health Aide	Written	42	67.5	1	First Aid and Basic Emergency Measures	76.4		
					2	Abbreviations, Terminology, and Client Observation	70.5		
					3	Employability Skills	79.0		
					4	Client Care	57.9		
					5	Safety	65.2		
					6	Nutrition and Elimination	70.2		
					7	Positioning	64.8		
					8	Client Transfer	58.5		
					9	Provide Personal Care	69.7		
					10	Home Maintenance Management	73.2		
					11	Child Care	60.1		
					12	Medications	70.0		
					13	Client Rights	72.2		
		Perf	19	98.5	1	Obtain and Record Vital Signs	97.6		
					2	Therapeutic Diet Meal Planning	99.5		
					3	Bathing and Personal Care of Adult	97.8		
					4	Occupied Bedmaking	99.4		
					5	First Aid for Bleeding	100.0		
					6	Transfer Client from Bed to Wheelchair	99.2		
		3149	Horticulture - Landscaping	Written	1,663	54.8	1	General Knowledge	60.5
							2	Pest Management	58.4
							3	Fundamentals of Irrigation	55.8
							4	Basic Nursery/Greenhouse Skills	41.6
							5	Horticulture Business and Retailing	54.2
							6	Landscape - Design	62.7
7	Landscape - Construction						46.2		
8	Landscape and Turf - Maintenance						55.4		
9	Arboriculture						44.6		
Perf	835			89.6	1	Identify and Control Pests	81.4		
					2	Inspect and Operate Power Equipment	93.7		
					3	Plant a Container-Grown Shrub	88.8		
					4	Prune a Tree and an Evergreen Shrub	92.1		
					5	Stake out a Site Plan--Entrance Walkway	88.2		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
3249	Horticulture - Olericulture & Pomology	Written	115	50.4	1	General Knowledge	64.2
					2	Pest Management	51.6
					3	Fundamentals of Irrigation	51.3
					4	Basic Greenhouse Skills	37.0
					5	Horticulture - Business and Retailing	53.1
					6	Vegetable and Fruit Production	44.9
					7	Soils	45.3
					8	Seeds and propagation	41.0
		Perf	13	94.5	1	Design a Garden for Salad Production	94.2
						Identify and Control Pests	93.8
						Inspect and Operate Power Equipment	98.5
						Judge and Grade Vegetables	93.4
		2079	Hospitality Management - Food and Beverage	Written	47	65.7	1
2	Guest Relations and Concierge						76.6
3	Marketing and Sales						59.0
4	Safety and Security						66.6
5	Opening and Settling Financial Transactions						47.7
6	Travel and Tourism						51.1
7	Legal and Ethical Responsibilities						77.0
8	Restaurant Management						67.1
9	Food and Beverage Service						75.2
Perf	27			87.6	1	Demonstrate Napkin Folding	96.7
					2	Identify Equipment	100.0
					3	Perform Table Side Service	83.1
					4	Prepare Chicken Cordon Bleu	89.1
			5	Serve Guests	91.0		
			6	Pricing Menu Items	74.0		
			7	Complete a Banquet Event Order Sheet	78.5		
2080	Hospitality Management - Lodging Option	Written	230	61.0	1	Introduction to the Hospitality Industry	61.2
					2	Guest Relations and Concierge	73.4
					3	Marketing and Sales	57.8
					4	Safety and Security	68.8
					5	Opening and Settling Financial Transactions	49.0
					6	Travel and Tourism	54.5
					7	Legal and Ethical Responsibilities	72.4
					8	Housekeeping Management	59.1
					9	Front Office Procedures	59.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
2080	Hospitality Management - Lodging Option	Perf	183	86.8	1	Folio and Form Completion	73.5
					2	Housekeeping Room Inspection	86.7
					3	Pricing Menu Items	93.8
					4	Complete a Banquet Event Order Sheet	84.7
					5	Meeting Room Set Up	92.6
1104	Human Resources Management	Written	5	62.7	1	Technical Skills	49.4
					2	Human Resources	67.6
					3	Academic Foundations	70.8
					4	Systems	70.0
					5	Ethics and Legal Responsibilities	82.9
					6	Communication	66.2
					7	Information Technology Applications	48.6
					8	Problem Solving, Critical Thinking and Decision-Making	37.1
					9	Leadership and Teamwork	76.7
					10	Safety, Health, and Environmental	51.4
					11	Employability and Career Development	73.3
3045	HVAC	Written	1,024	49.3	1	Electricity	40.2
					2	Soldering, Brazing, and Welding	53.6
					3	Pipefitting	58.2
					4	Controls	46.2
					5	Installation and Service	44.0
					6	Related Math and Science	54.6
					7	Refrigeration	39.3
					8	Refrigerant Recovery	60.7
					9	General Safety	66.7
					10	Computer Literacy	59.4
					11	Employability Skills	71.0
					12	Air Conditioning	45.4
					13	Heat Pumps and Electric Heat	49.8
					14	Hydronic Systems	48.9
					15	Forced Air, Gas, and Oil Units	52.3
					16	Humidity and Air Movement	31.2
					17	Sheet Metal and Ductwork	35.6
		Perf	860	83.2	1	Gas Furnace Check and Start-Up	86.8
				Air Conditioning	80.8		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
3064	HVAC/R	Written	1,024	52.4	1	Electricity	39.3
					2	Soldering, Brazing, and Welding	53.7
					3	Pipefitting	58.3
					4	Controls	47.3
					5	Installation and Service	47.1
					6	Related Math and Science	56.3
					7	Refrigeration	41.1
					8	Refrigerant Recovery	62.2
					9	General Safety	68.2
					10	Computer Literacy	58.0
					11	Employability Skills	73.5
		Perf	1,388	90.5	1	Gas Furnace Check and Start-Up	90.5
					2	Recover and Replace Refrigerant in a Refrigeration System	90.3
		2050	Industrial Electricity	Written	74	45.1	1
2	AC Theory						44.7
3	Test Equipment						60.4
4	Electrical Drawings						56.6
5	General Wiring						38.8
6	National Electrical Code						40.8
7	Electrical Controls						43.9
8	Generators						44.9
9	Motors						36.0
10	Transformers						43.1
11	Variable Frequency Drives (VFDs)						45.9
12	Programmable Logic Controllers (PLCs)						42.3
13	Safety						47.1
Perf	30			88.0	1	Tools and Materials Identification	91.6
			2	Conduit Bending	82.2		
			3	Wiring a Motor Starter	87.1		
			4	Replacing Ballast in a Fluorescent Fixture	93.5		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
2051	Industrial Electronics	Written	708	44.2	1	DC Electricity	59.6
					2	AC Circuits	45.8
					3	Test Equipment	40.2
					4	Semiconductors	50.4
					5	Electronic Circuits	44.2
					6	Digital/Micro	38.0
					7	Transducers	41.3
					8	Ladder Logic and Motors	38.7
					9	Safety	50.5
					10	Programmable Logic Controllers	38.0
		Perf	672	78.9	1	Semiconductor Testing	77.4
					2	Solder/Desoldering Components	83.2
					3	Meter Usage	77.0
					4	Circuit Construction	79.6
					5	Oscilloscope Usage	79.4
					6	Troubleshooting	80.5
					7	Gate Substitution	74.4
2074	Industrial Maintenance Mechanic	Written	15	49.9	1	Machinery and Equipment	52.6
					2	Tools and Safety	63.9
					3	Electronics and Electrical Principles	56.1
					4	Hydraulics and Pneumatics	52.2
					5	Motors and Motor Controls	34.2
					6	Mechanism Drives	39.2
					7	Industrial Robotics Systems	44.3
					8	Blueprints and Schematics	52.3
		Perf	15	67.0	1	Connect and Operate a Circuit	70.9
					2	Assemble a Multiple Shaft Gear Drive System	74.8
					3	Read and interpret an Industrial Blueprint	46.7
					4	Troubleshoot an Electrical Control System	98.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg		
2071	Logistics Technology/Distribution Center Services	Written	166	56.1	1	Operations/Safety and Ergonomics	71.5		
					2	Operations/Inventory Management	50.1		
					3	Operations/Procurement	54.4		
					4	Operations/Receiving	53.2		
					5	Operations/Putaway	68.2		
					6	Operations/Picking (Order Selection)	45.3		
					7	Operations/Packing	53.0		
					8	Operations/Shipping	53.7		
					9	Operations/Material Handling Equipment	49.2		
					10	Operations/Technology	51.0		
					11	Customer Relations/Direct Communication with Customers	67.5		
					12	Customer Relations/Customer Requirement Analysis	58.2		
					13	Logistics/Supply Chain Management	47.2		
					14	Logistics/Industry Trends and Current Topics	63.3		
		Perf	162	91.0	1	Inventory Control/Cycle Count	90.2		
					2	Material Handling Equipment	88.4		
					3	Receiving	95.6		
					4	Order Fulfillment Process	94.7		
					5	Bill of Lading	87.4		
		2084	Manufacturing Technology	Written	401	46.7	1	Manufacturing Math, Science, and Measurement	49.3
							2	Workplace Safety, Health, and Job Skills	58.7
							3	Quality Assurance	42.6
4	Blueprint Reading						47.2		
5	Manufacturing Fundamentals, Processes, and Materials						43.1		
6	Material Handling						56.3		
7	Industrial Robotics Systems						35.1		
8	Computer Use						50.1		
9	Process Control						45.9		
10	Purchasing and Resource Identification Activities						48.9		
11	Electronics and Hydraulics						38.1		
12	Design Processes						46.6		
Perf	127			73.6	1	Milling Operations	74.6		
					2	Assemble A Multiple Shaft Gear Drive System	62.5		
			3	Determine Gage Block Combinations	87.5				

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
4055	Medical Assisting	Written	706	60.7	1	Medical Office Procedures	60.3
					2	General Laboratory Procedures and Diagnostic Testing	56.5
					3	Clinical Procedures	58.3
					4	Patient Instruction	68.8
					5	Foundations for Healthcare	66.4
		Perf	489	94.7	1	Infant Length, Weight, and Head Circumference	94.9
					2	Applying and Removing Sterile Gloves	96.9
					3	Capillary Puncture (Simulation)	96.7
					4	Electrocardiogram	95.7
					5	Blood Pressure and Pulse Measurement	93.7
					6	Appointment Scheduling	92.2
		4058	Nursing Assisting	Written	2,553	77.6	1
2	Infection Control						75.2
3	Communication Skills						75.9
4	Personal Care Skills						84.4
5	Mental Health and Social Service Needs						82.0
6	Client's Rights						81.6
7	Basic Restorative Devices						75.3
8	Employability Skills						73.6
Perf	1,765			95.4	1	Vital Signs	95.0
					2	Barrier Techniques	96.0
					3	Wheelchair Use	95.4
					4	Occupied Bedmaking	96.3
		5	Modified Bed Bath		94.6		
2060	Painting and Decorating	Written	259	55.7	1	Wood Finishing	52.1
					2	Wall Coverings	50.0
					3	Safety	66.1
					4	Special Wall Finishes	48.3
					5	Equipment	58.6
					6	Exterior & Interior Painting	49.5
					7	Color	62.8
		Perf	250	89.5	1	Prepare and paint a door and door frame	89.4
					2	Paint interior/exterior wall with door/window	89.9
					3	Patch dry wall	89.1

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg			
1107	Performing Arts	Written	17	64.7	1	Technical Skills	64.3			
					2	Performing Arts	57.4			
					3	Academic Foundations	61.8			
					4	Systems	71.6			
					5	Ethics and Legal Responsibilities	71.4			
					6	Communication	81.4			
					7	Information Technology Applications	41.2			
					8	Problem Solving, Critical Thinking, and Decision-Making	52.0			
					9	Leadership and Teamwork	75.6			
					10	Safety, Health, and Environmental	78.4			
					11	Employability and Career Development	61.8			
3061	Plumbing	Written	1,592	56.3	1	Professionalism	89.8			
					2	General Practices	57.0			
					3	Building Drainage Systems	51.1			
					4	Vent Installation	51.7			
					5	Traps	46.1			
					6	Joining Pipes and Fittings	62.2			
					7	Installing Fixtures	56.0			
					8	Water Supply Lines	59.3			
					9	Hot Water Systems	60.0			
					10	Inspections/Safety	63.2			
					11	Plumbing Math	47.6			
					12	Plumbing Service and Repair	42.4			
					Perf	1,937	90.7	1	Install and Pressure Test a DWV System	91.1
								2	Install and Pressure Test a Water Supply System	90.3
4062	Practical Nursing	Written	21	70.8	1	Communication and Employability	77.9			
					2	Legal/Ethical Responsibilities	79.1			
					3	Anatomy and Physiology	59.0			
					4	Patient Care Skills	67.3			
					5	Administer Medication	65.2			
					6	Infection Control	73.8			
					7	Psychological Support	79.4			
					8	Supervised Management Functions	68.5			
					Perf	No data available				

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
2475	Pre-Engineering/Engineering Technology	Written	1,507	56.0	1	Overview of Engineering	69.1
					2	Design Process/Problem Solving	65.6
					3	Manufacturing	48.8
					4	Assembly and Fabrication	53.7
					5	Materials	55.4
					6	Communication and Teamwork	65.1
					7	Safety	52.3
					8	Engineering Systems	50.5
		Perf	457	85.3	1	Technical Writing	84.7
					2	Oral Presentation	86.2
4052	Precision Machining	Written	598	58.9	1	Organization and Shop Practices	79.3
					2	Measurement and Inspection	63.5
					3	Metallurgical Processes and Heat Treating	58.1
					4	Blueprint Interpretation and Process Planning	48.7
					5	Layout and Benchwork	60.7
					6	Band Saw Machines	63.7
					7	Lathes	58.4
					8	Milling Machines	55.7
					9	Surface Grinder	50.2
					10	Computer Numerical Control (CNC) Programming, Preparation	47.6
Perf	138	83.0	1	Milling Operations	84.8		
			2	Lathe Operations	81.2		
2063	Production Agriculture	Written	2,880	56.4	1	Animal Science	62.4
					2	Companion Animals and Aquaculture	69.8
					3	Land use and Stewardship	54.9
					4	Plant Science	50.4
					5	Agriculture Mechanics	59.2
					6	Farm Management and Recordkeeping	49.6
					7	Employability	59.0
		Perf	1,675	75.2	1	Vehicle Maintenance	90.4
					2	Calculate Net Worth	63.6
					3	Determine Genotypes and Phenotypes (Punnett Square)	60.5
			4	Crop Leaf Identification	66.2		
			5	Administer an Injection	84.3		
			6	Compute Acreage	82.5		

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg					
1480	Protective Services	Written	759	63.6	1	Public Safety	64.6					
					2	Law Enforcement	61.6					
					3	Fire Fighting	72.1					
					4	Emergency Medical Services	64.2					
					5	Legal Issues	55.0					
					6	Career Development	73.4					
					7	Homeland Security	56.5					
		Perf	716	91.6	1	Street Interview	91.0					
					2	Arrest and Search	89.7					
					3	Complete an Incident Report	89.0					
					4	Chemical Identification	93.9					
					5	Fire Suppression Demonstration	94.1					
					6	Vital Signs	92.7					
					7	Perform CPR on an Adult	92.6					
					8	Patient Assessment	91.6					
3010	Retail Commercial Baking	Written	942	65.7	1	Safety and Sanitation	70.9					
					2	Weights and Measures; General Baking Math	69.7					
					3	Identification, Classification, and Properties of Ingredients	56.1					
					4	Identification, Classification, and Function of Methods and	65.4					
					5	Mise En Place	71.9					
					6	Analysis / Assessment / Troubleshooting	56.9					
					7	Merchandising of Products	72.7					
		Perf	788	89.0	1	Soft Dinner Roll Dough	91.5					
					2	Puff Pastry (Cream Horns)	90.9					
					3	Cake Decorating	85.7					
					4	Biscuits	90.4					
					5	Pate A Choux	87.4					
					4053	Retail Trades	Written	2,674	66.0	1	Advertising/Promotion	67.0
										2	Communications	77.7
										3	Visual Merchandising	76.4
4	Marketing/Merchandising	64.9										
5	Electronic Marketing and E-Commerce	63.5										
6	Economics	60.4										
7	Sales and Selling	65.6										
8	Human Relations	72.2										
9	Related Mathematics	61.9										
10	Entrepreneurship	52.4										
11	Professional Development	56.9										

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
4053	Retail Trades	Perf	748	82.3	1	Completing a Sale and Handling Money	87.8
					2	Handling Customer Complaints	86.8
					3	Product Knowledge and Selling	83.5
					4	Retail Math	76.1
3068	Small Engine Technology	Written	1,937	53.6	1	Safety	66.8
					2	General Shop Practices	64.6
					3	Maintenance	54.4
					4	Lubrication System	55.2
					5	Fuel System	48.2
					6	Carburetor Fundamentals	54.8
					7	Governor	43.2
					8	Ignition	43.6
					9	Starters and Alternators	50.1
					10	Cylinder Head Service and Maintenance	58.8
					11	Engine Assembly	53.5
					12	Troubleshooting	51.0
		Perf	998	86.9	1	Check and Start Engine	89.4
					2	Ignition Service	90.0
					3	Measure Parts	80.9
					4	Valve Service	83.4
					5	Carburetor Service	90.9
					6	Invoicing Parts	82.7
4054	Technical Drafting	Written	341	57.6	1	Basic Drawing Skills	61.2
					2	Geometric Construction	62.7
					3	Applied Mathematics	74.9
					4	Dimensioning Skills	54.5
					5	Multiview Drawing	51.3
					6	Threads and Fasteners	49.0
					7	Manufacturing Processes	46.8
					8	Design Principles	43.7
		Perf	492	83.4	1	Visualization	79.9
					2	Orthographic Drawing	84.3
					3	Development	82.6
					4	Assembly	89.5
2427	Television Production	Written	1,692	59.5	1	Safety	84.8
					2	Pre-Production	57.6
					3	Production	59.8
					4	Post-Production	51.1

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
2427	Television Production	Perf	555	87.8	1	Pre-Production (Planning)	89.9
					2	Production	89.0
					3	Post-Production	86.5
1108	Visual Arts	Written	47	65.8	1	Technical Skills	65.0
					2	Visual Arts	57.4
					3	Academic Foundations	68.6
					4	Systems	75.2
					5	Ethics and Legal Responsibilities	69.0
					6	Communication	81.2
					7	Information Technology Applications	50.2
					8	Problem Solving, Critical Thinking, and Decision-Making	57.1
					9	Leadership and Teamwork	76.6
					10	Safety, Health, and Environmental	72.0
					11	Employability and Career Development	53.9
2425	Visual Communications and Multimedia Design	Written	2,036	59.3	1	Computer Literacy	58.9
					2	Multimedia	53.9
					3	Visual Literacy	68.1
					4	Conceptual Design Process	66.8
					5	Color Theory	58.6
					6	Typography	53.8
					7	Materials and Tools	53.2
					8	Safety	62.1
					9	Career Overview	58.7
					Perf	1,333	88.3
				2	Web Banner	88.6	
4072	Welding	Written	1,338	64.5	1	Safety	75.6
					2	Welding Symbols and Blueprint Reading	74.1
					3	Oxyfuel Cutting (OFC)	63.3
					4	Arc Cutting Process (Carbon Arc and Plasma Arc)	60.8
					5	Physical Characteristics and Mechanical Properties of Meta	68.7
					6	Weld Fit-up and quality (testing and weld inspection)	62.8
					7	Shielded Metal Arc Welding (SMAW)	63.0
					8	Gas Metal Arc Welding (GMAW) and Flux Cored Arc Weldin	56.1
					9	Gas Tungsten Arc Welding (GTAW)	63.9
					Perf	945	86.5
				2	SMAW Vertical Groove 3G	85.4	
				3	GMAW Horizontal Fillet sF	90.0	
				4	Aluminum GTAW Horizontal Fillet 2F	83.4	
				5	Stainless Steel GTAW Horizontal Fillet 2F	86.8	

Test Code	Test Title	Test Type	Total Count	Total Avg	Duty #	Duty	Duty Avg
3033	Workplace Readiness	Written	5,996	51.8	1	Communications	51.8
					2	Problem Solving and Critical Thinking	45.5
					3	Information Technology Applications	56.2
					4	Systems	52.6
					5	Safety, Health, and Environment	43.7
					6	Leadership and Teamwork	57.9
					7	Ethics and/or Legal Responsibilities	63.5
					8	Employability and/or Career Development	53.2