

Job Ready/Pathway Assessments - National Averages
Secondary
July 1, 2017

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	1,593	66.6	1	Reading Skills	59.7
					2	Math Skills	61.7
					3	Writing Skills	71.4
					4	Speaking and Listening Skills	73.5
					5	Computer Applications and Digital Media	68.3
					6	Reasoning, Problem-Solving, and Decision Making	65.8
					7	Understanding the "Big Picture"	56.2
					8	Work Ethics	53.6
					9	Positive Attitude	72.8
					10	Independence and Initiative	66.4
					11	Self-Presentation	71.2
					12	Attendance	76.8
					13	Collaboration	69.8
					14	Personal Health and Wellness	80.9
					15	Entrepreneurship	62.9
					16	Personal Finance	51.6
4900	Accounting-Advanced	Written	14,382	44.9	1	Journalizing	48.2
					2	Posting	45.5
					3	Payroll Preparation	41.7
					4	Cash and Banking Procedures	47.5
					5	Merchandise Inventory	41.3
					6	Completion of Accounting Cycle	42.5
					7	Identification and Application of Source Data	51.7
					8	Mechanical and Electrical Accounting Devices	59.5
					9	Security	40.0
					10	Basic Accounting Knowledge	45.4
					11	Advanced Accounting Principles	42.0
						Perf	No data available
4000	Accounting-Basic	Written	10,264	52.3	1	Journalizing	55.4
					2	Posting	52.8
					3	Payroll Preparation	47.9
					4	Cash and Banking Procedures	56.1
					5	Merchandise Inventory	46.3
					6	Completion of Accounting Cycle	50.4
					7	Identification and Application of Source Data	59.2
					8	Mechanical and Electrical Accounting Devices	68.0
					9	Security	43.1
					10	Basic Accounting Knowledge	54.8

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4000	Accounting-Basic	Perf	2,031	66.3	1	Identification of Account Balances	71.6
					2	Journal Entries	63.2
					3	Posting Verification	69.9
					4	Banking	64.4
					5	Payroll	74.0
					6	Complete Worksheet	74.8
					7	Financial Statements	57.0
4101	Administrative Assisting	Written	2,106	60.6	1	Computer Applications	64.3
					2	Working in an Office Environment	67.2
					3	Records Management	54.6
					4	Office Procedures	63.2
					5	Accounting and Computational Skills	48.2
		Perf	1,450	81.9	1	Business Writing - Memo Preparation	85.7
					2	Document Processing	75.4
					3	Preparing a Spreadsheet	82.7
					4	Creating a Chart	85.6
					5	Creating a Flyer	90.5
1205	Administrative Services	Written	72	67.0	1	Business Management Technical Skills	59.1
					2	Administrative Services	58.3
					3	Academic Foundations	65.6
					4	Systems	76.2
					5	Ethics and Legal Responsibilities	74.1
					6	Communications	69.8
					7	Information Technology Applications	67.8
					8	Problem Solving, Crit Thinking, and Decision Making	64.9
					9	Leadership and Teamwork	79.0
					10	Safety, Health, and Environmental	78.2
					11	Employability and Career Development	75.0
4119	Advertising and Design	Written	1,172	62.8	1	Computer Literacy	64.2
					2	Typography	59.2
					3	Digital Literacy and Application	62.0
					4	Color Theory and Application	69.5
					5	Digital Illustration and Drawing	63.4
					6	Photography	65.2
					7	Production and Printing	54.1
					8	Communication and Career Skills	73.4
					9	Work Environment	60.5
					10	Multimedia	69.4
					11	Digital Image Manipulation	54.8

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
4119	Advertising and Design	Perf	633	88.3	1	Design: Computer Comp-Prepare and Print Files	87.6		
					2	Layout: Redesign	89.6		
1229	Agricultural Biotechnology	Written	182	67.5	1	Technical Skills	56.1		
					2	Academic Foundations	67.2		
					3	Systems	78.0		
					4	Ethics and Legal Responsibilities	70.0		
					5	Communications	67.1		
					6	Information Technology Applications	65.2		
					7	Problem Solving, Crit Thinking, and Decision-Making	73.5		
					8	Leadership and Teamwork	80.7		
					9	Safety, Health, and Environmental	68.7		
					10	Employability and Career Development	78.5		
					11	Agricultural Biotechnology	62.5		
2102	Agriculture Mechanics	Written	10,067	49.4	1	Safety	53.4		
					2	Welding and Mechanics	44.5		
					3	Power and Machinery	53.1		
					4	Electrical Power and Process	48.0		
					5	Agricultural Structures	50.3		
					6	Agribusiness	55.3		
					7	Environmental and Natural Resource Systems	39.2		
					8	Careers in Agriculture Mechanics	44.3		
		Perf			1,118	85.6	1	Horizontal Square Groove Butt Weld - SMAW	84.9
							2	Oxyacetylene Cutting	84.1
							3	Troubleshoot and Diagnose a Gas Engine	90.3
							4	Install a Switch to Control a Light	89.1
							5	Mark a Common Rafter	75.3
							6	Set Up and Instrument Leveling of the Farm Level	91.0
1227	Animal Systems	Written	574	65.9	1	Technical Skills	58.8		
					2	Academic Foundations	64.5		
					3	Systems	75.1		
					4	Ethics and Legal Responsibilities	69.7		
					5	Communication	64.2		
					6	Information Technology Applications	62.4		
					7	Problem Solving, Crit Thinking, and Decision-Making	68.8		
					8	Leadership and Teamwork	74.7		
					9	Safety, Health, and Environmental	66.8		
					10	Employability and Career Development	73.2		
					11	Animal Science	63.6		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
3018	Apparel and Textiles Prod and Merchandising	Written	3,234	58.7	1	Garment Construction	58.7
					2	Finished Garment Alterations	55.9
					3	Textiles	62.2
					4	Applied Mathematics	50.4
					5	Design and Patternmaking	55.2
					6	Industrial and Domestic Apparel Manufacturing	67.9
					7	Apparel Technology	56.4
					8	Apparel and Textile Merchandising	56.3
					9	Career Opportunities	61.4
		Perf	1,854	85.6	1	Patternmaking	85.0
					2	Invisible Zipper Insertion	81.3
					3	Seam Samples	87.0
					4	Bodice Construction	84.6
					5	Layout, Cut, and Construct Straight Legged Pants	88.4
4004	Architectural Drafting	Written	5,391	50.3	1	Preparing To Draw	55.3
					2	Geometric Construction	58.1
					3	Applied Mathematics	55.4
					4	Drawing Techniques - Supplementary Views	43.4
					5	Planning	50.9
					6	Architectural Drawing Types	47.8
					7	Site Plans	53.0
					8	Structural Drawings	44.7
					9	Mechanical and Electrical Systems	41.6
					10	Supplemental Drafting Activities	52.3
					11	Specifications	46.5
					12	Sustainable Architecture and Design	47.1
		Perf	1,198	74.4	1	Architectural Symbols and Abbreviations	72.4
					2	Elevation	71.4
			3	Kitchen and Bath Floor Plan	77.3		
3005	Audio-Visual Communications	Written	1,563	51.9	1	Photography	48.1
					2	Computer Based Technology	50.9
					3	Audio and Video Production	53.6
					4	Creative Development	50.3
					5	Visual Design	49.7
					6	Project Management	53.5
					7	Equip Operation, Maintenance, and Troubleshooting	48.7
					8	Network Technology	53.0
					9	Related Information	67.9

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/Job Avg
3005	Audio-Visual Communications	Perf	573	91.8	1	Audio-Visual Editing	92.0
					2	Videography	94.7
					3	Engineering and Troubleshooting	88.7
4008	Automotive Technician-Advanced	Written	503	47.2	1	Customer Relations and Shop Procedures	62.6
					2	Engine Repair	49.1
					3	Automatic Transmission/Transaxle	44.2
					4	Manual Drive Train and Axles	44.1
					5	Suspension and Steering	48.5
					6	Brakes	47.8
					7	Electrical/Electronic Systems	45.8
					8	Heating and Air Conditioning	37.8
					9	Engine Performance	42.9
		Perf	1,270	90.3	1	Identification of Parts	85.1
					2	Disc Brake Assembly Service	89.8
					3	Tire Service and Balance	96.5
					4	Cylinder Head Service	90.1
					5	Perform Fuel System Pressure Test	92.4
					6	Windshield Washer Circuit Inoperative	88.8
	7	Test & Diagnose Battery, Starting, & Charging Sys	86.2				
	8	Test Electronic Engine Control Components	95.3				
4309	Automotive Technician-Core	Written	1,665	48.3	1	Engine Repair	49.6
					2	Automatic Transmission and Transaxle	47.0
					3	Manual Drive Train and Axles	40.0
					4	Suspension and Steering	55.0
					5	Brakes	53.7
					6	Electrical and Electronic Systems	50.2
					7	Heating and Air Conditioning	41.5
					8	Engine Performance	43.8
					9	Customer Relations and Shop Procedures	55.3
		Perf	1,210	89.6	1	Brakes: Disc Brake Assembly Service	89.4
					2	Elec/Elect Sys: Test & Diag Batt, Starting, & Chrg Sys	86.3
					3	Engine Perf: Test Electronic Engine Control Comp	92.1
					4	Suspension and Steering: Tire Service and Balance	93.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1096	Banking and Related Services	Written	317	66.4	1	Cluster Technical Skills - Finance	59.7
					2	Technical Skills - Banking and Related Services	56.5
					3	Academic Foundations	61.9
					4	Systems	66.2
					5	Ethics and Legal Responsibilities	65.2
					6	Communication	75.0
					7	Information Technology Applications	59.5
					8	Problem Solving, Crit Thinking, & Decision Making	74.4
					9	Leadership and Teamwork	80.7
					10	Safety, Health and Environmental	71.2
					11	Employability and Career Development	89.9
4075	Biotechnology	Written	209	65.5	1	Work Habits	79.4
					2	Knowledge of Biotechnology	65.7
					3	Laboratory Knowledge and Skills	61.5
					4	Ethics	79.8
					5	Safety in the Biotechnology Laboratory	75.1
					6	Working in a Highly Regulated Environment	72.8
					7	Appropriate Use of Equipment and Instrumentation	59.5
		Perf	135	89.0	1	Colony Isolation and Streaking Bacteria	92.3
					2	Using Volumetric Equipment: Using Micropipettes	96.0
					3	Using Volumetric Equipment: Serological Pipettes	87.3
					4	Making A Molar Solution	87.1
					5	Making A Dilution and Using a Spectrophotometer	86.1
					6	Generating and Utilizing a Standard Curve	79.2
1106	Broadcasting and Journalism	Written	528	69.0	1	Technical Skills	69.9
					2	Broadcasting and Journalism	55.6
					3	Academic Foundations	72.2
					4	Systems	80.2
					5	Ethics and Legal Responsibilities	77.1
					6	Communication	83.7
					7	Information Technology Applications	51.1
					8	Problem Solving, Crit Thinking, & Decision-Making	55.9
					9	Leadership and Teamwork	84.6
					10	Safety, Health, and Environmental	77.0
					11	Employability and Career Development	63.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg					
4011	Building Construction Occupations	Written	648	57.8	1	Safety and General Knowledge	74.2					
					2	Carpentry	56.1					
					3	Masonry	48.6					
					4	Electrical	52.7					
					5	Plumbing	52.4					
					6	Energy Efficiency	61.5					
					7	Blueprints, Building Layout, and Site Layout	54.8					
		Perf	408	88.5	1	Solder Pipe	95.2					
					2	Lay Out Rafter	83.5					
					3	Calculate and Cut a Stud	90.8					
					4	Rough and Finish Electrical	90.8					
					5	8-Inch Block Wall Construction	84.0					
					<hr/>							
					4012	Building Trades Maintenance	Written	371	49.2	1	Safety	62.7
2	Tools and Materials	49.2										
3	Carpentry	48.2										
4	Painting and Wall Covering	49.4										
5	Masonry	47.9										
6	Electrical	41.2										
7	Plumbing	46.3										
8	General Maintenance	42.5										
9	Grounds and Equipment Maintenance	55.7										
10	HVAC (Heating, Ventilation, and Air Conditioning)	54.0										
Perf	281	85.2	1	Carpentry: Construct Frame			87.4					
			2	Plumbing: Sweat Piping			85.6					
			3	Electricity: Rough Wiring			86.0					
			4	Drywall			81.9					
			5	Electricity: Finish Wiring	82.9							
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1095	Business Financial Management	Written	2,731	63.8	1	Cluster Technical Skills - Finance	59.5					
					2	Technical Skills - Business Financial Management	51.4					
					3	Academic Foundations	59.7					
					4	Systems	65.6					
					5	Ethics and Legal Responsibilities	62.5					
					6	Communication	72.1					
					7	Information Technology Applications	59.9					
					8	Problem Solving, Crit Thinking, and Decision Making	72.8					
					9	Leadership and Teamwork	80.2					
					10	Safety, Health and Environmental	64.2					
					11	Employability and Career Development	89.0					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4013	Business Information Processing	Written	1,478	62.8	1	Computer Concepts and Applications	62.9
					2	Internet Operations	69.4
					3	Computer Operations	59.3
					4	Reporting and Data Management	62.9
					5	Business Software Applications	68.9
					6	Business Math	47.7
					7	Communications	64.0
					8	Office Environment Safety	66.3
		Perf	553	88.8	1	File Management	95.3
					2	Spreadsheet	79.6
					3	Word Processing: Create and Format	92.0
					4	Word Processing: Table Creation	94.8
					5	Presentations	95.7
		3014	Cabinetmaking	Written	1,410	49.2	1
2	Design and Layout						46.4
3	Estimating and Measuring						48.8
4	Hand and Portable Power Tools						50.8
5	Stationary Saws						47.9
6	Boring Machines						51.3
7	Milling						43.8
8	Assembly						49.3
9	Finishing						50.9
10	Installation						40.2
Perf	580			83.7	1	Develop a Cut List	85.3
					2	Layout, Cut, and Assemble Face Frame	83.2
					3	Layout and Assemble one Drawer	83.1
4973	CAD			Written	3,599	59.0	1
		2	Use Hardware and Operating Systems				72.9
		3	Interpret and Read Blueprints				60.4
		4	Create and Manipulate Mechanical Drawing Info				56.6
		5	Draw and Design Assemblies				66.4
		6	Use 3-D Modeling				50.6
		Perf	1,660	80.8	1	Create a 2-D Orthographic Drawing with section view	78.6
					2	Create a 3-D Solid Model	88.3
					3	Create two parts to be mated and mate the parts	77.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
3073	CAD-CAM	Written	164	49.4	1	Identify Hardware and Operating Systems	64.5
					2	Using Hardware and Operating Systems	69.5
					3	Interpreting and Reading Blueprints	43.8
					4	Creating & Manipulating Mechanical Drawing Info	52.3
					5	Drawing and Designing Assemblies	52.4
					6	Using 3-D Modeling	48.3
					7	Machining Fundamentals	51.2
					8	CNC Operation	40.6
					9	CNC Programming Preparation	47.9
					10	CNC Programming Using a CAM System	36.9
		Perf	94	66.5	1	Create a 2-D Ortho Draw on CAD with a Section View	73.2
					2	Create a 3-D Solid Model	75.9
					3	Create Two Parts to be Mated and Mate the Parts	62.9
					4	Manufacture a Part from an Existing Drawing	53.4
1100	Career Skills	Written	1,415	51.1	1	Communications	53.3
					2	Problem Solving and Critical Thinking	38.4
					3	Information Technology Applications	62.4
					4	Systems	47.8
					5	Safety, Health and Environment	50.3
					6	Leadership, Management and Teamwork	62.1
					7	Ethics and/or Legal Responsibilities	56.7
					8	Employability and/or Career Development	45.5
4115	Carpentry	Written	6,052	54.9	1	Safety	68.5
					2	Tools and Accessories	67.2
					3	Blueprint Reading and Estimation Skills	49.3
					4	Foundations, Forms, and Concrete	49.1
					5	Rough Framing	56.2
					6	Exterior Finish	55.3
					7	Interior Systems Installation	49.6
					8	Interior Finish	42.4
					9	Carpentry-Related Mathematics	56.2
		Perf	3,199	88.5	1	Tool and Material Identification	93.7
					2	Square Layout	90.2
					3	Est a Starting Course for Vinyl Siding Using a Bldr's Lev	92.6
					4	Blueprint Reading/Sole Plate Layout	81.6
					5	Rafter Layout	86.8
			6	Stairway Stringer	87.7		
			7	Interior Frame	89.2		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4106	Collision Repair	Written	515	55.5	1	Safety	68.5
					2	Business Fundamentals	62.9
					3	MIG/GMAW and STRSW	46.6
					4	Structural	51.1
					5	Non-Structural	54.5
					6	Mechanical and Electrical Systems	54.7
		Perf	431	90.5	1	Welding	90.8
					2	Sheet Metal Repair	90.8
					3	Vehicle Measurement	88.8
3183	Collision Repair and Refinishing Technology	Written	2,687	58.6	1	Safety	67.7
					2	Business Fundamentals	65.2
					3	MIG/GMAW and STRSW	50.0
					4	Structural	54.8
					5	Non-Structural	58.6
					6	Mechanical and Electrical Systems	56.8
					7	Painting and Refinishing	61.1
		Perf	2,146	90.9	1	Welding	90.1
					2	Sheet Metal Repair	91.1
			3	Door Striker Adjustment	96.6		
			4	Refinishing	88.4		
4020	Commercial Foods	Written	3,003	63.2	1	Safety	80.6
					2	Sanitation	68.7
					3	Culinary Career Overview	69.5
					4	Culinary Techniques	63.6
					5	Recipes and Culinary Math	45.4
					6	Purchasing and Management Skills	57.2
					7	Menu Design and Nutrition	55.4
					8	Customer and Table Service	62.6
					9	Culinary Equipment	67.2
		Perf	2,719	91.7	1	Ident. of Hand Tools, Herbs, Spices, & Flavorings	91.9
			2	Knife skills	92.8		
			3	Cooking skills	91.6		

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4514	Computer Networking Fundamentals	Written	525	46.6	1	PC Principles	53.5			
					2	Network Connections	57.5			
					3	Physical Connection Types	50.2			
					4	Network Standards and Devices	44.7			
					5	Network Troubleshooting	46.1			
					6	Routing and Switching	45.3			
					7	Network Terminology	40.9			
					8	Network Architecture	44.6			
					9	Network Addressing	47.4			
					10	Security	45.8			
					11	Network Planning and Design	39.7			
		Perf	179	92.1	1	Select and Connect Equipment to Set Up a Simple LAN with	94.9			
			2	Set Up a Workgroup, Create Users, Create Shares, and Inst	90.3					
4023	Computer Programming	Written	3,961	55.3	1	Analyze Programming Problems & Flowchart Solutions	54.6			
					2	Design Program Solutions	57.6			
					3	Code Programs	54.0			
					4	Test Programs	51.2			
					5	Maintain Programs	55.1			
					6	Complete User Documentation and Technical Writing	53.6			
					7	General Information and Concepts	58.7			
					Perf	786	71.9	1	Write a program	65.0
								2	Design Solution Logic	82.5
		4515	Computer Repair Technology	Written	1,265	59.3	1	Safety	71.4	
2	Installing, Configuring, and Upgrading						56.5			
3	Diagnosing and Troubleshooting						58.1			
4	Preventive Maintenance						62.5			
5	System Boards, Storage, Processors, and Memory						52.7			
6	Input-Output (I/O) Devices						66.1			
7	Printing						55.5			
8	Basic Networking						52.1			
9	Security						72.1			
10	Customer Support and Ethics						63.4			
Perf	634						88.0	1	Device Identification	76.0
								2	Installing New Hardware/Troubleshooting	92.3
					3	Network Connectivity	89.6			

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4122	Computer Technology	Written	627	60.0	1	Professional Standards, Ethics, & Business Practices	71.0
					2	General Computer Knowledge and Concepts	57.3
					3	PC (Personal Computer) Hardware Knowledge	53.9
					4	PC (Personal Computer) Software Knowledge	65.9
					5	Networking and Data Communications	53.9
					6	Security	62.7
		Perf	128	92.8	1	File Management Using Windows GUI	93.9
					2	Word Processing Applications	90.6
					3	Spreadsheet Applications	88.0
					4	Network Connectivity	95.3
1128	Construction	Written	245	57.4	1	Technical Skills	40.8
					2	Academic Foundations	62.0
					3	Systems	46.1
					4	Ethics and Legal Responsibilities	44.9
					5	Communication	56.2
					6	Information Technology	45.6
					7	Problem Solving, Crit Thinking, and Decision Making	66.8
					8	Leadership and Teamwork	67.8
					9	Safety, Health, and Environment	74.5
					10	Employability and Career Development	71.8
					11	Construction	56.6
4025	Construction Masonry-Block	Written	199	58.4	1	Safety	68.1
					2	Craft Knowledge	67.8
					3	Hand and Power Tools	72.5
					4	Materials	63.2
					5	Blueprints and Specifications	57.2
					6	Project Layout	46.8
					7	Block	57.3
					8	Flashing, Weeps, and Insulation	51.1
					9	Math and Measurements	46.3
					10	Masonry Structure Maintenance	43.8
					11	Professionalism	77.6
		Perf	150	85.8	1	Job Layout	91.4
					2	Constr a Block Wall/Pier in Stretcher/Running Bond	85.0
			3	Project Jointing	81.1		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4125	Construction Masonry-Brick	Written	518	54.1	1	Safety	70.4
					2	Craft Knowledge	68.0
					3	Hand and Power Tools	63.3
					4	Materials	57.9
					5	Blueprints and Specifications	54.3
					6	Project Layout	42.8
					7	Brick	51.1
					8	Fireplaces and Chimneys	51.7
					9	Flashing, Weeps, and Insulation	42.6
					10	Math and Measurements	42.1
					11	Masonry Structure Maintenance	43.3
					12	Professionalism	80.1
		Perf	103	82.3	1	Job Layout	90.8
					2	Constr a Brick Wall/Pier in Stretcher/Running Bond	81.9
			3	Project Jointing	73.9		
4082	Cosmetology	Written	2,779	65.0	1	Safety and Sanitation	70.8
					2	Scientific Concepts	60.8
					3	Salon-Related Business Skills	78.3
					4	Physical Services	65.8
					5	Chemical Services	58.5
					6	Hair Designing	59.2
		Perf	134	95.1	1	90-Degree Haircut	92.4
					2	Blow Dry, Curl, and Press Hair	94.9
					3	Chemical Applications	94.4
					4	Manicure	95.5
					5	Facial	96.1
4181	Criminal Justice	Written	4,493	67.7	1	Crime Scene Management	68.2
					2	Use of Force	74.4
					3	Criminal Law and Procedures	66.1
					4	Court System	64.2
					5	Health and Safety	61.7
					6	Police Concepts and Skills	69.9
					7	Corrections	61.8
					8	Communication	71.2
					9	Security: National, International, and Private	63.8
					10	Understand and Work with Special Populations	66.5
		Perf	1,256	95.3	1	Crime Scene Investigation	95.8
					2	Arrest	94.4
					3	Visual Memory Test	96.6
					4	Traffic Stop and Citation Issue	95.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/Job Avg
1890	Criminal Justice Advanced	Written	494	56.5	1	Criminal Justice Systems	56.2
					2	Criminal Justice Procedures	64.8
					3	Crime Scene Investigation and Evidence Handling	57.9
					4	Interview and Interrogation	55.1
					5	Criminal Law and Courtroom Procedures	52.4
					6	Issues and Ethics in Criminal Justice	55.4
4236	Culinary Arts Level 1 Prep Cook	Written	7,956	61.1	1	Recipes	62.1
					2	Knife Skills	60.7
					3	Large and Small Equipment	58.3
					4	Sanitation and Safety	71.7
					5	Cold Food Preparation	65.5
					6	Fruits, Vegetables, and Starches	52.5
					7	Bakery Products	50.7
					8	Stocks, Sauces, and Hot Soups	52.4
					9	Meats, Poultry, Fish and Seafood	63.6
					10	Breakfast Foods	63.8
					11	Dairy Products and Alternatives	58.6
					12	Receiving and Storage	58.1
					13	Nutritional Values	64.9
					14	Employability Skills	64.9
		Perf	2,318	88.3	1	Comprehensive Skills	89.8
					2	Identification of Kitchen Equipment	88.2
					3	Identification of herbs, spices, fruits, and vegetables	82.1
					4	Knife sharpening: stone and steel	88.1
					5	Mise En Place	86.7
					6	Prepare Chef Salad with Vinaigrette Dressing	89.6
					7	Prepare Cheese Omelet	88.7
4336	Culinary Arts Level 2 Cook	Written	14,670	65.5	1	Recipes	68.6
					2	Knife Skills	66.0
					3	Large and Small Equipment	65.8
					4	Sanitation and Safety	78.8
					5	Cold Food Preparation	68.5
					6	Fruits, Vegetables, and Starches	58.8
					7	Bakery Products	55.7
					8	Stocks, Sauces, and Hot Soups	58.7
					9	Meats, Poultry, Fish and Seafood	65.7
					10	Breakfast Foods	67.9
					11	Dairy Products and Alternatives	62.3
					12	Receiving and Storage	64.3
					13	Nutritional Values	70.4
					14	Management and Employability Skills	62.9
					15	Customer Service	68.5

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4336	Culinary Arts Level 2 Cook	Perf	8,748	88.2	1	Comprehensive Skills	91.4
					2	Prepare Chicken Florentine with Tomato Concasse	88.0
					3	Prepare Rice Pilaf	88.4
					4	Prepare Steamed Green vegetables	87.4
					5	Prepare Apple Crostata with Crème Anglaise	86.3
4126	Dental Assisting	Written	2,095	70.1	1	Introduction to the Dental Assisting Profession	74.6
					2	Communication Skills	80.9
					3	Infection Control and Hazard Management	68.8
					4	Clinical Procedures	69.4
					5	Radiological and Digital Imaging Procedures	68.8
					6	Clerical Functions	72.4
					7	Dental Sciences	64.4
		Perf	1,241	94.5	1	Prepare Instruments for Autoclaving	96.8
					2	Assemble Equipment to Expose Radiographic Film	92.7
					3	Mount Full Series Radiographs	91.8
					4	Assemble and Disassemble Aspirating Syringe	96.6
					5	Take a Single Mandibular Alginate Impression	93.4
					6	Prepare Class III (Anterior) Composite Instru Tray	93.8
1127	Design and Pre-Construction	Written	97	72.6	1	Technical Skills	67.5
					2	Academic Foundations	75.4
					3	Systems	69.1
					4	Ethics and Legal Responsibilities	57.7
					5	Communication	65.7
					6	Information Technology	66.8
					7	Problem Solving, Crit Thinking, and Decision Making	83.1
					8	Leadership and Teamwork	82.6
					9	Safety, Health, and Environment	84.0
					10	Employability and Career Development	89.0
					11	Design and Pre-Construction	66.1
1186	Diagnostic Services	Written	271	77.9	1	General Health Sciences Technical Skills	80.7
					2	Academic Foundations	84.8
					3	Systems	82.8
					4	Ethics and Legal Responsibilities	70.4
					5	Communication	71.8
					6	Information Technology	82.7
					7	Problem Solving, Crit Thinking, and Decision Making	78.7
					8	Leadership and Teamwork	90.0
					9	Safety, Health, and Environment	69.1
					10	Employability and Career Development	90.0
					11	Diagnostic Services	68.1

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4127	Diesel Technology	Written	1,595	60.1	1	Safety	74.7
					2	Shop Practices, Tools, and Equipment	63.2
					3	Diesel Engines	63.5
					4	Suspension and Steering	62.2
					5	Brakes	49.8
					6	Electrical and Electronic Systems	60.4
					7	Drivetrains	56.0
					8	Preventive Maintenance	54.8
		Perf	1,163	93.4	1	Cylinder Liner Installation	90.6
					2	Perform a Wheel Bearing Adj & Brake Stroke Measuremen	94.5
					3	Check and Adjust Rocker Lever Clearance	94.5
					4	Perform a Coolant System Inspection	94.6
					5	Electrical Testing	93.2
		1236	Early Childhood Development and Services	Written	149	70.2	1
2	Early Childhood Development Services						74.5
3	Academic Foundations						55.7
4	Systems						63.9
5	Ethics and Legal Responsibilities						76.2
6	Communication						77.9
7	Information Technology						67.3
8	Problem Solving, Crit Thinking, and Decision Making						58.0
9	Leadership and Teamwork						67.0
10	Safety, Health, and Environment						78.1
11	Employability and Career Development						78.9
4017	Early Childhood Education and Care-Advanced	Written	1,842	74.1	1	Health and Safety	83.5
					2	Cognitive Development	67.7
					3	Language Development and Communication	76.1
					4	Physical Development	71.5
					5	Social and Emotional Development	74.7
					6	Community and Family Relationships	81.5
					7	Observation, Documentation, and Assessment	72.6
					8	Professionalism	74.1
					9	Classroom Organization and Arrangement	74.8
					10	Creativity	73.5
					11	Diversity in the Classroom	73.0
					12	Inclusion of Children with Special Needs	65.8
					13	Positive Guidance Techniques and Reinforcement	73.3
		Perf	541	92.1	1	Curriculum Planning	93.9
			2	Small Group Teaching	93.5		
			3	Arrange a Room	88.9		

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	21,308	75.3	1	Health and Safety	82.1
					2	Cognitive Development	72.3
					3	Language Development and Communication	74.9
					4	Physical Development	69.7
					5	Social and Emotional Development	75.4
					6	Community and Family Relationships	81.5
					7	Observation, Documentation, and Assessment	79.1
					8	Professionalism	72.9
					9	Classroom Organization and Arrangement	80.2
					10	Creativity	75.9
					11	Diversity in the Classroom	73.8
					12	Inclusion of Children with Special Needs	63.0
					13	Positive Guidance Techniques and Reinforcement	73.1
		Perf	4,439	94.2	1	Demonstrate Washing of Caregiver's Hands	97.5
					2	Introduction Activity	94.3
					3	Story Presentation	94.2
					4	Gross Motor Stretching Activity	92.7
					5	Closure Activity	91.5
1125	Education and Training	Written	331	70.0	1	General Education Technical Skills	71.6
					2	Teaching and Training Technical Skills	71.9
					3	Academic Foundations	58.8
					4	Systems	71.0
					5	Ethics and Legal Responsibilities	67.4
					6	Communications	69.2
					7	Information Technology Applications	65.9
					8	Problem Solving and Critical Thinking	67.2
					9	Leadership and Teamwork	79.3
					10	Safety, Health, and Environmental	69.0
					11	Employability and Career Development	77.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
2039	Electric Power and Distribution	Written	52	62.2	1	Maintain a Safe Work Environment	79.5
					2	Perform Job Site Planning Activities	62.2
					3	Climbing Skills	85.3
					4	Pole Framing and Construction Specifications	45.8
					5	Equipment Operation	56.8
					6	Setting and Replacing Poles	65.2
					7	Transformer Installation	71.5
					8	Service Installation and Metering	62.8
					9	Conductor Installation and Repair	62.8
					10	Rubber Gloving Methods	64.4
					11	Underground Distribution	55.1
					12	Substations and Voltage Regulation	59.8
					13	Fusing and System Coordination	53.0
					14	Maintain Line Equipment and Tools	65.2
					15	Maintain Records and Documentation	56.5
					16	Problem Solving and Troubleshooting	64.7
		Perf	51	92.7	1	Hurtman Rescue Using A Handline	88.6
					2	Transformer Connections	77.7
					3	Material and Tool Identification	95.2
					4	Tool Identification and Use	90.1
					5	Knot Tying	97.1
					6	Truck Operation	97.9
					7	Meter Installation	98.4
		4130	Electrical Construction Technology	Written	2,054	57.1	1
2	OSHA Regulations and Electrical Safety Practices						66.1
3	Meters, Measurements, Testing						59.9
4	Ident & Selection of Tools, Materials, & Components						66.1
5	National Electrical Code (NEC)						55.4
6	Blueprints, Specifications, and Estimations						65.1
7	AC Theory, Magnetic Theory, and DC Theory						54.3
8	Circuit Theorems and Conversions						51.4
9	Wiring, Circuits, and Installation						55.2
10	Green and Renewable Technology						51.8
11	Transformers						49.1
12	Motors						45.7
Perf	1,221			88.8	1	Bend Conduit	87.5
					2	Switching a GFCI Receptacle in a Residential Setting	87.5
					3	Install Two Smoke Alarms in a Commercial Setting	93.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
3029	Electrical Occupations	Written	1,420	56.2	1	Safety	62.5
					2	Wiring Methods	56.8
					3	Tools	82.2
					4	Motors and Motor Controls	50.8
					5	National Electrical Code	60.3
					6	Blueprint Reading	60.3
					7	Applied Mathematics	59.7
					8	Alternating Current (AC)	42.4
					9	Direct Current (DC)	37.2
		Perf	907	90.9	1	Install Cable from Meter Base to Serv Entrance Panel	90.5
					2	Install GFCI Circuit Breaker in Existing 100 AMP Panel	94.7
					3	Wire Lighting Control	90.5
					4	Install Door Chimes	90.2
		3034	Electronics	Written	610	53.0	1
2	DC Circuits						58.5
3	AC Circuits						48.1
4	Solid State Circuits						45.1
5	Soldering and De-Soldering						58.4
6	Use of Equipment						53.4
7	Digital Theory						56.7
8	Electronics-Related Mathematics						49.3
Perf	103			79.9	1	IC Identification	89.1
					2	DC Circuit Construction and Analysis	82.8
					3	Power Supply Construction and Analysis	76.6
					4	De-Soldering and Soldering	90.9
					5	CE Amplifier Construction and Analysis	67.2
4035	Electronics Technology			Written	3,334	50.4	1
		2	Fundamental Electrical Principles and Theory				56.7
		3	Digital Electronic Circuits				49.3
		4	Electronic Device Analysis and Applications				44.4
		5	Electronic Testing Equipment				57.6
		6	Direct Current (DC) Circuit Analysis				47.9
		7	Alternate Current (AC) Analysis				42.0
		8	Prototyping and Fabrication Techniques				51.1
		9	Careers in Electronics				54.3
		Perf	1,596	89.6	1	De-Soldering and Soldering	93.2
					2	Power Supply Construction and Circuit Analysis	90.8
					3	Op AMP Construction and Analysis	87.2
					4	Design & Build a Combinational Logic Circuit	87.0

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1135	Emergency and Fire Management Services	Written	305	65.3	1	General Skills	59.4
					2	Academic Foundations	72.9
					3	Systems	56.9
					4	Ethics and Legal Responsibilities	55.8
					5	Communications	75.3
					6	Information Technology Applications	66.4
					7	Problem Solving, Crit Thinking, and Decision Making	63.0
					8	Leadership and Teamwork	63.9
					9	Safety, Health, and Environment	68.1
					10	Employability and Career Development	63.4
					11	Emergency and Fire Management Services	65.2
1138	Emergency Medical Services	Written	568	66.9	1	General Skills	56.2
					2	Academic Foundations	73.2
					3	Systems	61.1
					4	Ethics and Legal Responsibilities	60.5
					5	Communications	74.5
					6	Information Technology Applications	69.9
					7	Problem Solving, Crit Thinking, and Decision Making	63.3
					8	Leadership and Teamwork	64.5
					9	Safety, Health, and Environment	74.1
					10	Employability and Career Development	68.2
					11	Emergency Medical Services	65.7
1237	Family and Community Services	No data available					
4002	Fashion Merchandising	Written	40	72.5	1	Core Competencies	78.1
					2	Fashion Merchandising Skills	67.8
					3	Customer Service/Sales Skills and Techniques	78.1
					4	Cash Handling Skills	65.5
					5	Stockroom Skills	76.0
					6	Selling Area Skills	76.8
					7	Advertising, Visual Merchandising, Sales Promotion Skills	72.4
					8	Market Research	71.0
					9	Principles of Management	69.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/Job Avg
1094	Financial and Investment Planning	Written	1,585	61.6	1	Cluster Technical Skills - Finance	56.7
					2	Technical Skills - Financial and Investment Planning	51.6
					3	Academic Foundations	53.6
					4	Systems	64.7
					5	Ethics and Legal Responsibilities	60.1
					6	Communication	71.0
					7	Information Technology Applications	55.7
					8	Problem Solving, Crit Thinking, & Decision Making	70.9
					9	Leadership and Teamwork	78.0
					10	Safety, Health and Environmental	61.9
					11	Employability and Career Development	86.8
2120	Financial and Managerial Accounting	Written	82	38.8	1	Journalizing	35.0
					2	Cash and Banking Procedures	37.4
					3	Merchandise Inventory	36.4
					4	Financial Statements	34.7
					5	Competence in Technology	61.3
					6	Internal Control	45.0
					7	Basic Accounting Knowledge	40.4
					8	Advanced Accounting Practices	37.1
4049	Floriculture	Written	1,889	59.5	1	Basic Floral Design	65.6
					2	Intermediate Floral Design	55.9
					3	Advanced Floral Design	72.6
					4	Small Floriculture or Floriculture-Greenhouse Bus	62.0
					5	Plant Science	45.2
		Perf	554	85.9	1	Isosceles Triangle Arrangement	90.7
					2	Design a Multi-Flower Corsage	92.7
					3	Cash Register/Sales	96.1
					4	Plant Classification	72.2
4949	Floriculture-Greenhouse	Written	1,518	56.6	1	Basic Floral Design	64.6
					2	Intermediate Floral Design	54.6
					3	Advanced Floral Design	72.1
					4	Small Business	62.7
					5	Greenhouse Operations	50.0
					6	Plant Sciences	48.2
					7	Soil Sciences	47.2
		Perf	826	85.5	1	Isosceles Triangle Arrangement	86.7
					2	Design a Multi-Flower Corsage	88.9
					3	Start/Propagate Geraniums from a Stem Tip Cutting	92.7
					4	Cash Register/Sales	72.6
			5	Plant Classification	92.9		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
3037	Forest Products and Processing	Written	3,466	46.4	1	Safety	67.7
					2	Logging, Harvesting	46.6
					3	Tree Identification	52.2
					4	Sawmill Operation	36.2
					5	Diesels and Hydraulics	43.3
					6	Chain Saws	45.7
					7	Silviculture and Forest Management	39.0
					8	Forest Ecology and Protection	47.5
					9	Surveying	45.9
					10	Timber Cruising	38.6
					11	Wildlife	48.3
					12	Business Management and Employability Skills	56.5
		Perf	271	78.4	1	Manually Fell a Tree	92.9
					2	Identify Leaf, Bud, and Bark Specimens	73.7
					3	Grade Hardwood or Pine Lumber	74.0
					4	Scale Hardwood or Pine Logs	74.1
					5	Sharpen and Adjust Chain Saw	95.0
					6	Calculate Acreage	72.4
					7	Plot and Analyze 1/5 Acre	70.5
		0177	Fundamentals of Construction	Written	177	61.4	1
2	Jobsite Safety and Safety Regulations						57.7
3	Personal Protective Equipment						74.9
4	Hazard Analysis						61.7
5	Hand Tools						57.2
6	Power Tools						61.6
Perf	108			89.2	1	Circular Saw	88.3
					2	Drill Holes	91.5
					3	Pneumatic Fasteners	85.1
					4	Job Site Hazards	89.6
1203	General Management	Written	18,001	62.1	1	Business Management Technical Skills	54.9
					2	General Management	62.6
					3	Academic Foundations	61.6
					4	Systems	67.6
					5	Ethics and Legal Responsibilities	64.6
					6	Communications	60.6
					7	Information Technology Applications	64.3
					8	Problem Solving, Crit Thinking, and Decision Making	55.1
					9	Leadership and Teamwork	70.0
					10	Safety, Health, and Environmental	67.7
					11	Employability and Career Development	62.0

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4242	Graphic Production Technology	Written	1,688	54.6	1	Introduction to Printing	56.7
					2	Electronic Publishing & Printing, Pre-Press, & Output	59.4
					3	Offset Press Operations	45.6
					4	Digital Operations	51.5
					5	Binding, Finishing, and Distribution Processes	51.6
		Perf	1,274	93.7	1	Design and Pre-Press	93.7
					2	Paper Drill, Shrink Wrap, Package, & Prepare for Pick-up	93.7
4143	Health Assisting	Written	5,149	70.7	1	First Aid and General Safety	77.0
					2	Medical Terminology	68.9
					3	Body Systems	68.0
					4	Observation and Communication	66.8
					5	Documentation & Legal Issues of the Hlth Assist Prof	75.5
					6	Health Assistant Skills	68.7
		Perf	4,027	96.4	1	Hand Washing and Personal Protective Equip (PPE)	98.3
			2	Change a Patient Gown	96.7		
			3	Measure Vital Signs, Height, and Weight	95.8		
			4	Transfer Patient from Bed to Wheelchair	92.6		
1187	Health Informatics	Written	1,320	72.6	1	General Health Sciences Technical Skills	75.7
					2	Academic Foundations	75.1
					3	Systems	76.0
					4	Ethics and Legal Responsibilities	71.5
					5	Communication	65.8
					6	Information Technology	71.5
					7	Problem Solving, Crit Thinking, and Decision Making	69.3
					8	Leadership and Teamwork	86.2
					9	Safety, Health, and Environment	67.8
					10	Employability and Career Development	82.7
					11	Health Informatics	67.3
1141	Healthcare Core	Written	19	80.8	1	Awareness and Sensitivity to Client Needs	77.7
					2	Behaviors for Success in Healthcare Settings	89.5
					3	Communication in Healthcare Settings	86.2
					4	Healthcare Ethics	62.3
					5	Legal Issue in Healthcare	81.1
					6	Healthcare Safety and Standard Precautions	80.6
					7	Respecting Client and Staff Diversity	79.8

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	2,398	53.2	1	Electricity	40.0
					2	Soldering, Brazing, and Welding	55.7
					3	Pipefitting	59.3
					4	Controls	48.2
					5	Installation and Service	48.6
					6	Related Math and Science	56.8
					7	Refrigeration	42.2
					8	Refrigerant Recovery	62.0
					9	General Safety	68.0
					10	Computer Literacy	57.1
					11	Employability Skills	75.0
		Perf	2,632	90.2	1	Gas Furnace Check and Start-Up	90.5
					2	Recover & Replace Refrigerant in a Refrigeration Syst	89.9
3045	Heating, Ventilation, and Air Conditioning	Written	2,410	50.1	1	Electricity	41.0
					2	Soldering, Brazing, and Welding	55.2
					3	Pipefitting	59.7
					4	Controls	47.1
					5	Installation and Service	44.4
					6	Related Math and Science	55.7
					7	Refrigeration	39.6
					8	Refrigerant Recovery	60.5
					9	General Safety	66.8
					10	Computer Literacy	57.1
					11	Employability Skills	72.6
					12	Air Conditioning	46.3
					13	Heat Pumps and Electric Heat	51.8
					14	Hydronic Systems	49.3
					15	Forced Air, Gas, and Oil Units	53.0
					16	Humidity and Air Movement	32.2
					17	Sheet Metal and Ductwork	37.0
		Perf	2,010	84.5	1	Gas Furnace Check and Start-Up	87.9
			2	Air Conditioning	82.2		

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	836	57.7	1	Maintain and Repair Engine	58.7
					2	Maintain and Repair Power Train	57.2
					3	Maintain and Repair Electrical System	58.5
					4	Maintain and Repair Brake System	50.9
					5	Welding	59.9
					6	Preventive Maintenance	66.1
					7	Maintain and Repair Hydraulic System	48.2
					8	General Shop Practices	62.1
					9	Air Conditioning	53.3
					10	Heavy Equipment Undercarriage	50.2
		Perf	536	90.4	1	Test Cooling System	95.9
					2	Electrical Testing	86.8
					3	Adjust Valve Clearance	89.7
					4	Set Carrier Ring and Pinion Backlash	88.0
					5	Identify Brake Components	88.8
					6	Measure and Adjust Track	93.3
					7	Cut and Weld Steel	86.3
4048	Home Health Aide	Written	189	70.2	1	First Aid and Basic Emergency Measures	69.0
					2	Abbreviations, Terminology, and Client Observation	72.5
					3	Employability Skills	81.0
					4	Client Care	63.7
					5	Safety	62.0
					6	Nutrition and Elimination	66.4
					7	Positioning	67.8
					8	Client Transfer	77.9
					9	Provide Personal Care	74.3
					10	Home Maintenance Management	76.7
					11	Child Care	72.8
					12	Medications	77.8
					13	Client Rights	71.3
		Perf	No data available				
4149	Horticulture-Landscaping	Written	2,186	49.6	1	General Knowledge	52.1
					2	Pest and Disease Management	49.1
					3	Fundamentals of Irrigation	55.6
					4	Basic Nursery/Greenhouse Skills	43.7
					5	Horticulture Business and Retailing	53.6
					6	Landscape Design	40.1
					7	Landscape Installation and Construction	46.4
					8	Landscape and Turf Maintenance	51.8
					9	Arboriculture	49.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4149	Horticulture-Landscaping	Perf	938	91.2	1	Identify and Control Pests	87.5
					2	Identify Equipment Features	92.3
					3	Plant a Container-Grown Shrub	92.4
					4	Prune a Tree and an Evergreen Shrub	93.5
					5	Stake Out a Site Plan - Entrance Walkway	90.4
3079	Hospitality Management-Food and Beverage	Written	315	60.2	1	Introduction to the Hospitality Industry	61.8
					2	Guest Relations and Concierge	74.5
					3	Marketing and Sales	58.0
					4	Safety and Security	65.1
					5	Opening and Settling Financial Transactions	49.0
					6	Travel and Tourism	63.0
					7	Legal and Ethical Responsibilities	70.0
					8	Restaurant Management	57.0
					9	Food and Beverage Service	58.3
		Perf	64	92.3	1	Demonstrate Napkin Folding	96.7
					2	Identify Equipment	95.8
					3	Perform Table-Side Service	92.9
					4	Prepare Chicken Cordon Bleu	96.5
					5	Serve Guests	93.4
			6	Pricing Menu Items	71.0		
			7	Complete a Banquet Event Order Sheet	89.3		
3080	Hospitality Management-Lodging	Written	698	61.1	1	Introduction to the Hospitality Industry	68.0
					2	Guest Relations and Concierge	77.9
					3	Marketing and Sales	61.9
					4	Safety and Security	61.3
					5	Opening and Settling Financial Transactions	49.5
					6	Travel and Tourism	70.0
					7	Legal and Ethical Responsibilities	72.9
					8	Housekeeping Management	56.6
					9	Front Office Procedures	53.9
		Perf	414	85.1	1	Folio and Form Completion	75.8
					2	Customer relations role play	87.9
					3	Pricing Menu Items	90.0
					4	Complete a Banquet Event Order Contract Form	81.4
					5	Set up continental breakfast buffet table	93.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1204	Human Resources Management	Written	218	66.9	1	Business Management Technical Skills	58.0
					2	Human Resources Management	66.4
					3	Academic Foundations	65.1
					4	Systems	73.7
					5	Ethics and Legal Responsibilities	75.1
					6	Communications	65.3
					7	Information Technology Applications	69.3
					8	Problem Solving, Crit Thinking, and Decision Making	60.6
					9	Leadership and Teamwork	74.9
					10	Safety, Health, and Environmental	71.4
					11	Employability and Career Development	70.4
2111	HVACR-Installation and Start-up	No data available					
2110	HVACR-Service and Repair	Written	38	61.7	1	OSHA Guidelines and General Safety	81.0
					2	Related Math, Building Science, Blueprints, and Tools	61.9
					3	Electricity	59.1
					4	Pipe Fitting, Soldering, and Brazing	71.9
					5	Airflow and Ductwork	49.2
					6	Warm Air Systems	58.7
					7	Hydronic Systems	42.5
					8	Air Conditioning - Residential	65.9
					9	Heat Pumps, Electric Heat	47.9
					10	Refrigeration	51.9
					Perf	No data available	
2050	Industrial Electricity	Written	123	46.9	1	DC Theory	49.7
					2	AC Theory	44.9
					3	Test Equipment	65.3
					4	Electrical Drawings	59.2
					5	General Wiring	38.4
					6	National Electrical Code	40.5
					7	Electrical Controls	45.6
					8	Generators	47.0
					9	Motors	38.4
					10	Transformers	44.8
					11	Variable Frequency Drives (VFDs)	49.2
					12	Programmable Logic Controllers (PLCs)	45.1
					13	Safety	50.0

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
2050	Industrial Electricity	Perf	40	90.3	1	Tools and Materials Identification	93.0
					2	Conduit Bending	85.2
					3	Wiring a Motor Starter	90.2
					4	Replacing Ballast in a Fluorescent Fixture	94.6
2051	Industrial Electronics	Written	1,029	43.9	1	DC Electricity	72.7
					2	AC Circuits	77.2
					3	Test Equipment	71.6
					4	Semiconductors	81.0
					5	Electronic Circuits	76.9
					6	Digital/Micro	75.1
					7	Transducers	67.7
					8	Ladder Logic and Motors	37.6
					9	Safety	52.8
					10	Programmable Logic Controllers	44.0
		Perf	964	74.8	1	Semiconductor Testing	72.4
					2	Solder/Desoldering Components	77.1
					3	Meter Usage	71.3
					4	Circuit Construction	80.8
			5	Oscilloscope Usage	76.9		
			6	Troubleshooting	74.8		
			7	Gate Substitution	67.4		
2074	Industrial Maintenance Mechanics	Written	139	43.0	1	Machinery and Equipment	49.1
					2	Tools and Safety	53.8
					3	Electronics and Electrical Principles	45.1
					4	Hydraulics and Pneumatics	43.8
					5	Motors and Motor Controls	32.0
					6	Mechanism Drives	33.9
					7	Industrial Robotics Systems	38.6
					8	Blueprints and Schematics	42.7
		Perf	29	68.4	1	Connect and Operate a Circuit	69.5
					2	Assemble a Multiple Shaft Gear Drive System	79.1
					3	Read and interpret an Industrial Blueprint	49.2
					4	Troubleshoot an Electrical Control System	95.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1131	Information Support and Services	Written	387	59.6	1	Information Technology Applications	53.3
					2	Academic Foundations	52.1
					3	Systems	62.9
					4	Ethics and Legal Responsibilities	68.9
					5	Communication	64.8
					6	Problem Solving, Crit Thinking, and Decision Making	58.2
					7	Leadership and Teamwork	72.2
					8	Safety, Health, and Environment	63.7
					9	Employability and Career Development	56.2
					10	Information Support and Services	55.9
1132	Interactive Media	Written	740	54.0	1	Information Technology Applications	46.4
					2	Academic Foundations	45.3
					3	Systems	59.0
					4	Ethics and Legal Responsibilities	61.3
					5	Communication	60.0
					6	Problem Solving, Crit Thinking, and Decision Making	52.5
					7	Leadership and Teamwork	62.9
					8	Safety, Health, and Environment	60.2
					9	Employability and Career Development	45.8
					10	Interactive Media	53.4
1032	Interior Decorating and Design	Written	341	56.7	1	Safety and Environmental Issues	62.8
					2	Elements and Principles of Design	65.4
					3	Textiles, Fibers, and Fabrics	49.7
					4	Interior Materials and Products	50.9
					5	Furnishings and Accessories	49.8
					6	Art Periods and Design Styles	42.5
					7	Visual Presentation	54.3
					8	Technical Knowledge	50.3
					9	Retail Operation Procedures	61.2
					10	Marketing Skills	60.8
					11	Housing Issues	58.6
1137	Legal Services	Written	171	58.5	1	General Skills	54.3
					2	Academic Foundations	67.1
					3	Systems	50.5
					4	Ethics and Legal Responsibilities	48.1
					5	Communications	71.4
					6	Information Technology Applications	72.6
					7	Problem Solving, Crit Thinking, and Decision Making	61.7
					8	Leadership and Teamwork	57.3
					9	Safety, Health, and Environmental	53.8
					10	Employability and Career Development	64.0
					11	Legal Services	54.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1287	Lodging	Written	90	66.4	1	General Hospitality and Tourism Technical Skills	71.1
					2	Academic Foundations	63.9
					3	Systems	74.1
					4	Ethics and Legal Responsibilities	80.2
					5	Communication	70.9
					6	Information Technology	56.5
					7	Problem Solving, Crit Thinking, and Decision Making	52.5
					8	Leadership and Teamwork	76.9
					9	Safety, Health, and Environment	72.9
					10	Employability and Career Development	80.0
							11
2071	Logistics Tech/Distribution Center Services	Written	604	58.3	1	Operations/Safety and Ergonomics	72.3
					2	Operations/Inventory Management	51.8
					3	Operations/Procurement	52.4
					4	Operations/Receiving	53.5
					5	Operations/Putaway	68.4
					6	Operations/Picking (Order Selection)	47.8
					7	Operations/Packing	59.4
					8	Operations/Shipping	55.4
					9	Operations/Material Handling Equipment	53.6
					10	Operations/Technology	54.2
					11	Customer Relations/Direct Comm with Customers	68.7
					12	Customer Relations/Cust Requirement Analysis	59.8
					13	Logistics/Supply Chain Management	50.0
					14	Logistics/Industry Trends and Current Topics	73.7
		Perf	612	92.8	1	Inventory Control/Cycle Count	93.8
					2	Material Handling Equipment	91.1
					3	Receiving	94.8
					4	Order Fulfillment Process	94.6
					5	Bill of Lading	91.2
1129	Maintenance Operations	No data available					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
2084	Manufacturing Technology	Written	1,644	47.7	1	Manufacturing Math, Science, and Measurement	49.7		
					2	Workplace Safety, Health, and Job Skills	59.8		
					3	Quality Assurance	45.0		
					4	Blueprint Reading	44.8		
					5	Manufacturing Fundamentals, Processes, & Materials	43.2		
					6	Material Handling	57.1		
					7	Industrial Robotics Systems	35.9		
					8	Computer Use	52.2		
					9	Process Control	49.5		
					10	Purchasing and Resource Identification Activities	52.8		
					11	Electronics and Hydraulics	38.2		
					12	Design Processes	47.4		
		Perf	356	78.2	1	Milling Operations	76.9		
					2	Assemble A Multiple Shaft Gear Drive System	72.2		
					3	Determine Gage Block Combinations	89.4		
4038	Mechanical Drafting and Design	Written	976	59.4	1	Prep to Draw: Basic Drawing and Dimensioning Skills	62.7		
					2	Applied Mathematics	67.8		
					3	Identify Measurements	63.4		
					4	Geometric Construction	71.0		
					5	Engineering Drawings	52.7		
					6	Multiview Drawings	47.5		
					7	Section Views	50.2		
					8	Auxiliary Views	46.6		
					9	Dimensioning Skills	57.6		
		Perf	363	85.4	1	Auxiliary Views	81.7		
					2	Drawing Completion and Dimensioning	84.6		
					3	Pattern Development	88.0		
					4	Section Drawing	87.9		
		2040	Mechatronics-Level 1	Written	335	56.0	1	Introduction to Mechatronics: Safety	66.5
							2	Introduction to Mechatronics: Communication	69.6
	3			Instrumentation and Measurement			53.9		
	4			Electrical			50.2		
	5			Mechanical			55.1		
	6			Hydraulic and Pneumatic Systems			59.7		
	7			Computer and Control Systems			48.2		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4355	Medical Assisting	Written	807	67.1	1	Medical Office Procedures	64.1
					2	Foundations of Health Care	65.4
					3	General Laboratory Procedures and Diagnostic Testing	61.8
					4	Clinical Practices and Patient Care	70.2
					5	Medical Assisting Safety	62.4
					6	Patient Instruction	67.0
					7	Medical Law and Ethics for Health Care	71.3
		Perf	491	95.0	1	Infant Length, Weight, and Head Circumference	93.6
					2	Apply and Remove Sterile Gloves	96.7
					3	Capillary Puncture (Simulation)	95.5
					4	Electrocardiogram	96.4
					5	Blood Pressure and Pulse Measurement	94.2
		1228	Natural Resource Systems	Written	910	65.3	1
2	Academic Foundations						64.6
3	Systems						76.4
4	Ethics and Legal Responsibilities						68.2
5	Communication						63.7
6	Information Technology Applications						61.1
7	Problem Solving, Crit Thinking, and Decision-Making						67.5
8	Leadership and Teamwork						74.3
9	Safety, Health, and Environmental						67.4
10	Employability and Career Development						72.5
11	Natural Resources						60.6
1130	Network Systems	Written	374	57.0	1	Information Technology Applications	52.6
					2	Academic Foundations	52.6
					3	Systems	61.6
					4	Ethics and Legal Responsibilities	66.6
					5	Communication	61.2
					6	Problem Solving, Crit Thinking, and Decision Making	52.5
					7	Leadership and Teamwork	68.7
					8	Safety, Health, and Environment	65.9
					9	Employability and Career Development	52.8
					10	Network Systems	50.9
4158	Nursing Assisting	Written	4,555	74.0	1	Basic Nursing Assisting Skills	70.8
					2	Infection Control	67.1
					3	Communication Skills	71.5
					4	Personal Care Skills	79.0
					5	Mental Health and Social Service Needs	79.9
					6	Ethics, Rights, and Legal Responsibilities	79.2
					7	Basic Restorative Devices	72.5
					8	Employability Skills	75.1

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4158	Nursing Assisting	Perf	997	95.0	1	Obtain and Record Standard Vital Signs	93.1
					2	Apply and Remove Personal Protective Equipment	95.1
					3	Demonstrate Wheelchair Assistance	95.7
					4	Make an Occupied Bed	96.4
					5	Provide a Modified Bed Bath for an Adult Female Patient	94.9
1107	Performing Arts	Written	695	71.7	1	Technical Skills	70.0
					2	Performing Arts	68.0
					3	Academic Foundations	71.4
					4	Systems	82.0
					5	Ethics and Legal Responsibilities	78.2
					6	Communication	84.9
					7	Information Technology Applications	52.3
					8	Problem Solving, Crit Thinking & Decision-Making	56.7
					9	Leadership and Teamwork	85.3
					10	Safety, Health, and Environmental	74.4
					11	Employability and Career Development	63.1
1238	Personal Care Services	No data available					
4061	Plumbing	Written	1,188	58.5	1	Safety	67.2
					2	Plumbing Math	54.6
					3	General Plumbing Practices	62.1
					4	Joining Pipes and Fittings	60.6
					5	Drainage	55.6
					6	Vent Installation	52.0
					7	Water Supply and Distribution	63.2
					8	Hot Water Systems	58.3
					9	Traps	52.8
					10	Installing Fixtures	55.5
					11	Plumbing Service and Repair	52.4
		Perf	965	89.5	1	Install and Prepare to Leak Test a DWV System	90.9
					2	Install and Prepare to Leak Test a Water Supply System	88.5
4162	Practical Nursing	Written	62	71.7	1	Communication and Employability	79.6
					2	Legal and Ethical Responsibilities	81.3
					3	Anatomy, Physiology, and Pathophysiology	64.2
					4	Patient Care Skills	68.0
					5	Administer Medication	63.7
					6	Infection Control	75.6
					7	Psychological Support	82.5
					8	Supervised Management Functions	67.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg	
4162	Practical Nursing	Perf	No data available					
4152	Precision Machining	Written	299	63.3	1	Organization and Shop Safety Practices	83.1	
					2	Measurement and Inspection	65.7	
					3	Metallurgical Processes and Heat Treating	66.6	
					4	Blueprint Interpretation and Process Planning	54.5	
					5	Layout and Benchwork	58.5	
					6	Band Saw Machines	62.2	
					7	Lathes	66.0	
					8	Milling Machines	56.3	
					9	Surface Grinding	56.3	
					10	Computer Numerical Control (CNC) Programming, Prepara	58.0	
					11	Drill Press	69.9	
		Perf	86	84.2	1	Milling Operations	83.7	
					2	Lathe Operations	84.8	
2475	Pre-Engineering/Engineering Technology	Written	9,988	58.1	1	Overview of Engineering	71.2	
					2	Design Process/Problem Solving	68.7	
					3	Manufacturing	49.6	
					4	Assembly and Fabrication	55.3	
					5	Materials	56.3	
					6	Communication and Teamwork	65.9	
					7	Safety	54.7	
					8	Engineering Systems	53.3	
		Perf	2,112	88.5	1	Technical Writing	88.0	
					2	Oral Presentation	89.3	
3063	Production Agriculture	Written	5,508	53.5	1	Animal Science	59.8	
					2	Conservation and Sustainable Natural Resources	51.4	
					3	Plant Science	49.2	
					4	Soil Management	49.7	
					5	Agricultural Technology	56.8	
					6	Agri-Business	49.1	
		3,300	77.8	77.6	1	Vehicle Maintenance	94.1	
					2	Calculate Net Worth	64.8	
					3	Determine Genotypes and Phenotypes (Punnet Square)	72.0	
					4	Crop Leaf Identification	64.5	
					5	Administer an Injection	84.3	
					6	Compute Acreage	83.3	

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
2480	Protective Services	Written	1,527	65.1	1	Public Safety	64.0
					2	Law Enforcement	67.0
					3	Fire Fighting	69.1
					4	Emergency Medical Services	57.8
					5	Career Development	69.1
					6	Homeland Security	58.0
		Perf	943	94.3	1	Street Interview	92.9
					2	Arrest and Search	91.7
					3	Complete an Incident Report	92.1
					4	Chemical Identification	93.9
					5	Fire Suppression Demonstration	95.4
					6	Vital Signs	95.5
					7	Perform CPR on an Adult	97.0
					8	Patient Assessment	95.4
					1289	Recreation, Amusements, and Attractions	Written
2	Academic Foundations	72.0					
3	Systems	76.6					
4	Ethics and Legal Responsibilities	81.3					
5	Communication	76.2					
6	Information Technology	61.0					
7	Problem Solving, Crit Thinking, and Decision Making	57.9					
8	Leadership and Teamwork	77.4					
9	Safety, Health, and Environment	82.6					
10	Employability and Career Development	80.7					
11	Recreation, Amusements, and Attractions	77.7					
1286	Restaurants, Food, and Beverage Services	Written	359	68.1	1	General Hospitality and Tourism Technical Skills	73.4
					2	Academic Foundations	65.6
					3	Systems	73.7
					4	Ethics and Legal Responsibilities	76.9
					5	Communication	70.1
					6	Information Technology	54.5
					7	Problem Solving, Crit Thinking, and Decision Making	55.0
					8	Leadership and Teamwork	74.1
					9	Safety, Health, and Environment	79.4
					10	Employability and Career Development	75.6
					11	Restaurant, Food, and Beverage Services	62.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/Job Avg
4010	Retail Commercial Baking	Written	1,298	73.1	1	Safety and Sanitation	78.7
					2	Business and Math Skills	72.4
					3	Ident, Classification, and Properties of Ingredients	63.9
					4	Baking Preparation (Mise en Place)	71.7
					5	Basic Baking	71.7
					6	Product Merchandising	75.9
					7	Purchasing, Receiving, Inventory, and Storage	71.9
					8	Nutrition	72.0
					9	Human Relations and Career Skills	79.7
		Perf	1,092	90.8	1	Soft Dinner Roll Dough	92.5
					2	Cake Decorating	88.2
					3	Fruit Pie	92.3
					4	Pâte À Choux	90.9
		4153	Retail Merchandising	Written	4,158	69.7	1
2	Communications						76.5
3	Visual Merchandising						78.2
4	Marketing/Merchandising						67.8
5	Technology in Retail Merchandising						70.8
6	Economics						58.9
7	Customer Service, Sales, and Selling						73.3
8	Professionalism in Retail Merchandising						77.3
9	Retail-related Mathematics						64.5
10	Entrepreneurship						58.0
Perf	1,322			85.7	1	Inventory Check-in	77.9
					2	Cash Handling	88.1
					3	Handling Customer Returns	91.1
					4	Product Knowledge and Selling	89.6
			5	Virtual Cash Drawer Closing of a Retail Business	81.8		
1136	Security and Protective Services	Written	41	58.0	1	General Skills	51.0
					2	Academic Foundations	67.8
					3	Systems	61.4
					4	Ethics and Legal Responsibilities	47.3
					5	Communications	71.8
					6	Information Technology Applications	58.0
					7	Problem Solving, Crit Thinking, and Decision Making	57.5
					8	Leadership and Teamwork	53.2
					9	Safety, Health, and Environment	63.4
					10	Employability and Career Development	64.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
3103	Small Animal Science and Technology	Written	798	66.4	1	Safety and Sanitation	72.6
					2	Animal Care Management	75.9
					3	Grooming	70.3
					4	Genetics and Reproduction	57.1
					5	Management of Small Animal-Related Businesses	70.4
					6	Animal First Aid	62.2
					7	Health and Disease Control	69.0
					8	Nutrition	59.5
		Perf	270	91.8	1	Identify Tools and Equipment	76.6
					2	Proper Restraint and Sex Determination of Small Animals	97.1
					3	Identify Parasites	93.3
					4	Fill Syringes	92.2
					5	Canines: Safety, Handling, Restraint, and External Anatomy	92.0
					6	Determine Proper Diet for Small Animals	90.0
4168	Small Engine Technology	Written	716	60.8	1	Safety	72.1
					2	General Shop Practices	65.2
					3	Maintenance	55.7
					4	Lubrication Systems	71.5
					5	Fuel System Fundamentals	62.9
					6	Governor	56.5
					7	Ignition	50.9
					8	Starters and Charging Systems	47.1
					9	Cylinder Head and Valve, Service and Maintenance	62.4
					10	Engine Assembly	61.2
					11	Troubleshooting	57.5
		Perf	314	90.6	1	Start and Adjust Engine	93.5
					2	Ignition Service	92.7
					3	Measure Parts	84.7
			4	Valve Service	88.6		
			5	Carburetor Service	93.9		
			6	Invoicing Parts	87.1		
			7	Manual Starter Service	92.0		
4054	Technical Drafting	Written	1,505	56.3	1	Basic Drawing Skills	59.8
					2	Geometric Construction	63.5
					3	Applied Mathematics	73.0
					4	Dimensioning Skills	51.9
					5	Multiview Drawing	49.8
					6	Threads and Fasteners	48.2
					7	Manufacturing Processes	45.9
					8	Design Principles	42.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4054	Technical Drafting	Perf	864	81.7	1	Visualization	78.2
					2	Orthographic Drawing	82.3
					3	Development	81.9
					4	Assembly	88.9
3427	Television Production	Written	5,712	59.9	1	Safety	74.4
					2	Pre-Production	60.1
					3	Production	58.1
					4	Post-Production	57.1
					5	Ethics, Communications, and General Field Knowledge	62.2
		Perf	1,221	87.3	1	Create and Script Video	90.1
					2	Shot Composition	87.4
					3	Edit Shots with the Interview	84.4
1185	Therapeutic Services	Written	1,044	73.7	1	General Health Sciences Technical Skills	78.2
					2	Academic Foundations	76.0
					3	Systems	72.5
					4	Ethics and Legal Responsibilities	74.9
					5	Communication	67.4
					6	Information Technology	71.6
					7	Problem Solving, Crit Thinking, and Decision Making	71.1
					8	Leadership and Teamwork	86.9
					9	Safety, Health, and Environment	74.5
					10	Employability and Career Development	84.0
					11	Therapeutic Services	65.5
1288	Travel and Tourism	Written	544	70.0	1	General Hospitality and Tourism Technical Skills	73.3
					2	Academic Foundations	68.5
					3	Systems	76.3
					4	Ethics and Legal Responsibilities	79.2
					5	Communication	70.9
					6	Information Technology	59.4
					7	Problem Solving, Crit Thinking, and Decision Making	56.0
					8	Leadership and Teamwork	77.8
					9	Safety, Health, and Environment	74.8
					10	Employability and Career Development	78.2
					11	Travel and Tourism	66.5

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1108	Visual Arts	Written	405	67.5	1	Technical Skills	65.9
					2	Visual Arts	61.5
					3	Academic Foundations	68.7
					4	Systems	76.6
					5	Ethics and Legal Responsibilities	68.4
					6	Communication	82.8
					7	Information Technology Applications	50.1
					8	Problem Solving, Crit Thinking, and Decision-Making	57.4
					9	Leadership and Teamwork	81.2
					10	Safety, Health, and Environmental	70.2
					11	Employability and Career Development	60.8
3425	Visual Comm and Interactive Media Design	Written	1,128	60.0	1	Safety	69.4
					2	Career Overview	55.4
					3	Computer Literacy	61.4
					4	Interactive Media	58.6
					5	Visual Literacy	70.9
					6	Conceptual Design Process	63.1
					7	Color Theory	55.2
					8	Typography	55.1
					9	Materials and Tools	48.3
		Perf	275	88.2	1	Create a Logo	91.3
					2	Create a Static Web Page	86.2
					3	Create a Business Card	84.2
		2750	Web Design	Written	2,347	47.8	1
2	Programming/Markup/Scripting						40.6
3	Editors						48.6
4	Web Graphics						61.0
5	Web Multimedia						41.3
6	Web Marketing and Business Management						50.9
7	Site Design						41.9
8	Administration and Maintenance						46.3
Perf	1,016			79.7	1	Create the Cascading Style Sheet (CSS)	83.4
					2	Create the Template	79.4
					3	Create the Home Page	80.6
					4	Create the Form Page	73.8
					5	Create the Content Pages	80.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/Job Avg
4172	Welding	Written	9,539	57.0	1	Safety	67.7
					2	Welding Symbols and Blueprint Reading	63.2
					3	Oxyfuel Cutting (OFC)	51.6
					4	Arc Cutting Process (Carbon Arc and Plasma Arc)	51.0
					5	Physical Characteristics and Mech Properties of Metals	56.9
					6	Weld Fit-Up and Quality	60.5
					7	Shielded Metal Arc Welding (SMAW)	55.7
					8	Gas Metal Arc Welding (GMAW) & Flux Cored Arc Welding	51.5
					9	Gas Tungsten Arc Welding (GTAW)	55.5
		Perf	4,059	84.1	1	Oxyfuel Cutting	84.4
					2	SMAW V-Groove, 3G	83.3
					3	GMAW Tee Joint, 2F	87.4
					4	Aluminum GTAW Tee Joint, 2F	81.6
					5	Stainless Steel GTAW Lap Joint, 2F	82.8
		2150	Wind Turbine Maintenance Technician	Written	30	52.9	1
2	Equipment Operation						68.3
3	Electrical and Mechanical Systems						46.7
4	Hand Tools						47.7
5	Maintain Equipment						55.8
6	Computational, Technical and Writing Skills						56.4
7	Introduction to Careers in Wind Technology						62.7
Perf	No data available						
3033	Workplace Readiness	Written	9,704	52.8	1	Communications	52.7
					2	Problem Solving and Critical Thinking	46.5
					3	Information Technology Applications	57.1
					4	Systems	54.0
					5	Safety, Health, and Environment	44.8
					6	Leadership and Teamwork	59.3
					7	Ethics and/or Legal Responsibilities	64.1
					8	Employability and/or Career Development	54.0