

NOCTI Assessments - National Averages
Secondary
July 1, 2018

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1437	21st Century Skills for Workplace Success	Written	3,596	65.5	1	Reading Skills	59.4
					2	Math Skills	61.3
					3	Writing Skills	69.5
					4	Speaking and Listening Skills	72.4
					5	Computer Applications and Digital Media	67.4
					6	Reasoning, Problem-Solving, and Decision Making	65.2
					7	Understanding the "Big Picture"	55.0
					8	Work Ethics	53.2
					9	Positive Attitude	71.3
					10	Independence and Initiative	65.2
					11	Self-Presentation	69.8
					12	Attendance	75.7
					13	Collaboration	68.6
					14	Personal Health and Wellness	79.6
					15	Entrepreneurship	61.2
					16	Personal Finance	50.6
4900	Accounting-Advanced	Written	18,007	44.7	1	Journalizing	47.8
					2	Posting	45.1
					3	Payroll Preparation	41.5
					4	Cash and Banking Procedures	47.3
					5	Merchandise Inventory	41.0
					6	Completion of Accounting Cycle	42.2
					7	Identification and Application of Source Data	51.5
					8	Mechanical and Electrical Accounting Devices	59.2
					9	Security	39.9
					10	Basic Accounting Knowledge	45.4
					11	Advanced Accounting Principles	41.9
		Perf	9	91.5	1	Journal Entries	94.5
					2	Posting Verification	91.4
					3	Payroll	94.7
					4	Complete Worksheet	91.1
					5	Financial Statements	87.9
					6	Ratio and Partial Horizontal Analysis	87.8
					7	Advanced Journal Entries	89.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4000	Accounting-Basic	Written	12,492	52.3	1	Journalizing	55.2
					2	Posting	53.0
					3	Payroll Preparation	48.0
					4	Cash and Banking Procedures	56.1
					5	Merchandise Inventory	46.4
					6	Completion of Accounting Cycle	50.3
					7	Identification and Application of Source Data	59.1
					8	Mechanical and Electrical Accounting Devices	68.2
					9	Security	43.3
					10	Basic Accounting Knowledge	55.2
		Perf	2,450	67.6	1	Identification of Account Balances	72.6
					2	Journal Entries	64.3
					3	Posting Verification	71.2
					4	Banking	65.9
					5	Payroll	75.0
					6	Complete Worksheet	76.4
					7	Financial Statements	58.5
4101	Administrative Assisting	Written	2,317	60.2	1	Computer Applications	63.9
					2	Working in an Office Environment	67.1
					3	Records Management	54.4
					4	Office Procedures	62.9
					5	Accounting and Computational Skills	47.7
		Perf	1,488	81.6	1	Business Writing - Memo Preparation	85.3
					2	Document Processing	75.0
					3	Preparing a Spreadsheet	82.5
					4	Creating a Chart	85.3
					5	Creating a Flyer	90.5
1205	Administrative Services	Written	144	65.1	1	Business Management Technical Skills	57.8
					2	Administrative Services	56.9
					3	Academic Foundations	63.6
					4	Systems	70.1
					5	Ethics and Legal Responsibilities	71.2
					6	Communications	67.4
					7	Information Technology Applications	67.0
					8	Problem Solving, Crit Thinking, and Decision Making	64.1
					9	Leadership and Teamwork	78.8
					10	Safety, Health, and Environmental	74.2
					11	Employability and Career Development	73.1

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4119	Advertising and Design	Written	1,904	62.2	1	Computer Literacy	63.7
					2	Typography	58.8
					3	Digital Literacy and Application	61.4
					4	Color Theory and Application	68.7
					5	Digital Illustration and Drawing	62.9
					6	Photography	64.8
					7	Production and Printing	53.5
					8	Communication and Career Skills	72.6
					9	Work Environment	60.3
					10	Multimedia	68.0
					11	Digital Image Manipulation	54.6
		Perf	1,025	88.2	1	Design: Computer Comp-Prepare and Print Files	87.6
			2	Layout: Redesign	89.2		
1229	Agricultural Biotechnology	Written	226	69.4	1	Technical Skills	58.0
					2	Academic Foundations	69.1
					3	Systems	79.3
					4	Ethics and Legal Responsibilities	71.6
					5	Communications	69.2
					6	Information Technology Applications	67.2
					7	Problem Solving, Crit Thinking, and Decision-Making	75.7
					8	Leadership and Teamwork	83.1
					9	Safety, Health, and Environmental	69.9
					10	Employability and Career Development	80.0
					11	Agricultural Biotechnology	64.8
2102	Agriculture Mechanics	Written	11,351	49.2	1	Safety	53.2
					2	Welding and Mechanics	44.2
					3	Power and Machinery	52.8
					4	Electrical Power and Process	47.9
					5	Agricultural Structures	50.1
					6	Agribusiness	55.2
					7	Environmental and Natural Resource Systems	39.1
					8	Careers in Agriculture Mechanics	44.3
		Perf	1,254	85.7	1	Horizontal Square Groove Butt Weld - SMAW	85.2
					2	Oxyacetylene Cutting	84.0
					3	Troubleshoot and Diagnose a Gas Engine	90.5
			4	Install a Switch to Control a Light	89.2		
			5	Mark a Common Rafter	75.3		
			6	Set Up and Instrument Leveling of the Farm Level	91.2		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1227	Animal Systems	Written	747	65.4	1	Technical Skills	57.7
					2	Academic Foundations	64.0
					3	Systems	74.3
					4	Ethics and Legal Responsibilities	69.2
					5	Communication	63.6
					6	Information Technology Applications	61.8
					7	Problem Solving, Crit Thinking, and Decision-Making	67.8
					8	Leadership and Teamwork	74.5
					9	Safety, Health, and Environmental	66.3
					10	Employability and Career Development	73.3
					11	Animal Science	63.5
3018	Apparel and Textiles Prod and Merchandising	Written	3,705	58.8	1	Garment Construction	58.9
					2	Finished Garment Alterations	55.8
					3	Textiles	62.0
					4	Applied Mathematics	50.8
					5	Design and Patternmaking	55.6
					6	Industrial and Domestic Apparel Manufacturing	68.0
					7	Apparel Technology	56.8
					8	Apparel and Textile Merchandising	56.3
					9	Career Opportunities	61.3
		Perf	2,188	85.9	1	Patternmaking	85.7
					2	Invisible Zipper Insertion	81.7
					3	Seam Samples	87.3
					4	Bodice Construction	84.8
					5	Layout, Cut, and Construct Straight Legged Pants	88.9
4004	Architectural Drafting	Written	6,844	49.9	1	Preparing To Draw	55.0
					2	Geometric Construction	57.7
					3	Applied Mathematics	55.1
					4	Drawing Techniques - Supplementary Views	43.1
					5	Planning	50.6
					6	Architectural Drawing Types	47.3
					7	Site Plans	52.3
					8	Structural Drawings	44.5
					9	Mechanical and Electrical Systems	41.3
					10	Supplemental Drafting Activities	51.7
					11	Specifications	46.0
					12	Sustainable Architecture and Design	46.9
		Perf	1,482	75.7	1	Architectural Symbols and Abbreviations	73.9
			2	Elevation	72.6		
			3	Kitchen and Bath Floor Plan	78.6		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
3005	Audio-Visual Communications	Written	1,776	52.1	1	Photography	47.9
					2	Computer Based Technology	51.2
					3	Audio and Video Production	53.8
					4	Creative Development	50.9
					5	Visual Design	50.1
					6	Project Management	54.0
					7	Equip Operation, Maintenance, and Troubleshooting	48.4
					8	Network Technology	53.0
					9	Related Information	67.9
		Perf	624	91.6	1	Audio-Visual Editing	91.8
					2	Videography	94.4
					3	Engineering and Troubleshooting	88.4
4008	Automotive Technician-Advanced	Written	507	47.4	1	Customer Relations and Shop Procedures	62.7
					2	Engine Repair	49.3
					3	Automatic Transmission/Transaxle	44.3
					4	Manual Drive Train and Axles	44.4
					5	Suspension and Steering	48.7
					6	Brakes	48.0
					7	Electrical/Electronic Systems	45.8
					8	Heating and Air Conditioning	38.0
					9	Engine Performance	43.0
		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	2,630	48.8	1	Engine Repair	51.2
					2	Automatic Transmission and Transaxle	47.5
					3	Manual Drive Train and Axles	40.5
					4	Suspension and Steering	55.1
					5	Brakes	53.9
					6	Electrical and Electronic Systems	50.4
					7	Heating and Air Conditioning	42.0
					8	Engine Performance	44.1
					9	Customer Relations and Shop Procedures	56.1
		Perf	1,765	90.5	1	Brakes: Disc Brake Assembly Service	90.5
					2	Elec/Elect Sys: Test & Diag Batt, Starting, & Chrg Sys	87.1
					3	Engine Perf: Test Electronic Engine Control Comp	93.3
			4	Suspension and Steering: Tire Service and Balance	93.9		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1096	Banking and Related Services	Written	328	66.6	1	Cluster Technical Skills - Finance	59.9
					2	Technical Skills - Banking and Related Services	56.6
					3	Academic Foundations	61.8
					4	Systems	66.4
					5	Ethics and Legal Responsibilities	65.6
					6	Communication	75.2
					7	Information Technology Applications	59.6
					8	Problem Solving, Crit Thinking, & Decision Making	74.7
					9	Leadership and Teamwork	81.1
					10	Safety, Health and Environmental	71.4
					11	Employability and Career Development	90.1
4075	Biotechnology	Written	373	64.7	1	Work Habits	79.1
					2	Knowledge of Biotechnology	65.1
					3	Laboratory Knowledge and Skills	60.9
					4	Ethics	79.7
					5	Safety in the Biotechnology Laboratory	74.5
					6	Working in a Highly Regulated Environment	70.7
					7	Appropriate Use of Equipment and Instrumentation	58.4
		Perf	253	89.5	1	Colony Isolation and Streaking Bacteria	94.0
					2	Using Volumetric Equipment: Using Micropipettes	95.9
					3	Using Volumetric Equipment: Serological Pipettes	89.2
					4	Making A Molar Solution	88.7
					5	Making A Dilution and Using a Spectrophotometer	86.6
					6	Generating and Utilizing a Standard Curve	74.8
					1106	Broadcasting and Journalism	Written
2	Broadcasting and Journalism	55.0					
3	Academic Foundations	71.9					
4	Systems	79.8					
5	Ethics and Legal Responsibilities	76.7					
6	Communication	83.0					
7	Information Technology Applications	51.6					
8	Problem Solving, Crit Thinking, & Decision-Making	56.3					
9	Leadership and Teamwork	84.3					
10	Safety, Health, and Environmental	76.4					
11	Employability and Career Development	63.5					
4011	Building Construction Occupations	Written	1,255	59.0	1	Safety and General Knowledge	75.5
					2	Carpentry	56.9
					3	Masonry	49.7
					4	Electrical	54.5
					5	Plumbing	54.4
					6	Energy Efficiency	62.4
					7	Blueprints, Building Layout, and Site Layout	56.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
4011	Building Construction Occupations	Perf	907	89.1	1	Solder Pipe	95.1		
					2	Lay Out Rafter	84.0		
					3	Calculate and Cut a Stud	92.1		
					4	Rough and Finish Electrical	91.1		
					5	8-Inch Block Wall Construction	85.6		
4012	Building Trades Maintenance	Written	472	49.5	1	Safety	62.2		
					2	Tools and Materials	49.2		
					3	Carpentry	48.6		
					4	Painting and Wall Covering	49.2		
					5	Masonry	48.5		
					6	Electrical	41.0		
					7	Plumbing	46.7		
					8	General Maintenance	43.1		
					9	Grounds and Equipment Maintenance	57.2		
					10	HVAC (Heating, Ventilation, and Air Conditioning)	55.0		
		Perf			326	85.6	1	Carpentry: Construct Frame	88.0
							2	Plumbing: Sweat Piping	85.9
							3	Electricity: Rough Wiring	86.0
							4	Drywall	82.6
			5	Electricity: Finish Wiring	82.8				
1095	Business Financial Management	Written	3,095	64.0	1	Cluster Technical Skills - Finance	59.8		
					2	Technical Skills - Business Financial Management	51.4		
					3	Academic Foundations	59.6		
					4	Systems	65.8		
					5	Ethics and Legal Responsibilities	62.6		
					6	Communication	72.4		
					7	Information Technology Applications	60.4		
					8	Problem Solving, Crit Thinking, and Decision Making	73.4		
					9	Leadership and Teamwork	80.9		
					10	Safety, Health and Environmental	64.1		
					11	Employability and Career Development	89.2		
4013	Business Information Processing	Written	1,585	63.0	1	Computer Concepts and Applications	62.8		
					2	Internet Operations	69.6		
					3	Computer Operations	59.3		
					4	Reporting and Data Management	63.2		
					5	Business Software Applications	69.1		
					6	Business Math	48.0		
					7	Communications	64.2		
					8	Office Environment Safety	66.6		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg	
4013	Business Information Processing	Perf	706	88.5	1	File Management	94.3	
					2	Spreadsheet	79.1	
					3	Word Processing: Create and Format	91.5	
					4	Word Processing: Table Creation	95.0	
					5	Presentations	95.7	
3014	Cabinetmaking	Written	1,657	49.3	1	Safety	60.9	
					2	Design and Layout	46.4	
					3	Estimating and Measuring	48.9	
					4	Hand and Portable Power Tools	50.7	
					5	Stationary Saws	47.8	
					6	Boring Machines	51.5	
					7	Milling	44.0	
					8	Assembly	49.4	
					9	Finishing	51.4	
					10	Installation	40.5	
		Perf	669	84.2	1	Develop a Cut List	85.6	
					2	Layout, Cut, and Assemble Face Frame	83.7	
					3	Layout and Assemble one Drawer	83.8	
		4973	CAD	Written	4,298	59.0	1	Identify Hardware and Operating Systems
					2	Use Hardware and Operating Systems	73.1	
					3	Interpret and Read Blueprints	60.4	
					4	Create and Manipulate Mechanical Drawing Info	56.4	
					5	Draw and Design Assemblies	66.6	
					6	Use 3-D Modeling	50.6	
Perf	1,975			80.1	1	Create a 2-D Orthographic Drawing with section view	78.2	
					2	Create a 3-D Solid Model	87.4	
					3	Create two parts to be mated and mate the parts	76.8	
3073	CAD-CAM	Written	199	48.4	1	Identify Hardware and Operating Systems	64.0	
					2	Using Hardware and Operating Systems	68.7	
					3	Interpreting and Reading Blueprints	42.8	
					4	Creating & Manipulating Mechanical Drawing Info	51.4	
					5	Drawing and Designing Assemblies	51.7	
					6	Using 3-D Modeling	47.7	
					7	Machining Fundamentals	49.5	
					8	CNC Operation	39.8	
					9	CNC Programming Preparation	46.5	
					10	CNC Programming Using a CAM System	35.8	
		Perf	116	64.4	1	Create a 2-D Ortho Draw on CAD with a Section View	70.8	
					2	Create a 3-D Solid Model	74.0	
					3	Create Two Parts to be Mated and Mate the Parts	62.6	
			4	Manufacture a Part from an Existing Drawing	50.9			

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1100	Career Skills	Written	1,581	51.5	1	Communications	53.5
					2	Problem Solving and Critical Thinking	38.8
					3	Information Technology Applications	63.0
					4	Systems	48.1
					5	Safety, Health and Environment	51.0
					6	Leadership, Management and Teamwork	62.3
					7	Ethics and/or Legal Responsibilities	57.6
					8	Employability and/or Career Development	45.9
4215	Carpentry	Written	2,130	53.3	1	Safety	70.2
					2	Tools and Accessories	71.5
					3	Blueprint Reading and Estimation Skills	47.2
					4	Foundations, Forms, and Concrete	50.3
					5	Rough Framing	50.7
					6	Exterior Finish	45.7
					7	Interior Finish	45.5
					8	Carpentry-Related Mathematics	47.6
		Perf	962	87.3	1	Tool and Material Identification	93.8
					2	Square Layout	90.3
					3	Establish a Starting Course for Vinyl Siding Using a Builder	93.9
					4	Blueprint Reading and Exterior Sole Plate Layout	82.2
					5	Rafter Layout	83.1
					6	Stairway Stringer	85.4
					7	Interior Frame	87.7
4106	Collision Repair	Written	695	55.9	1	Safety	68.3
					2	Business Fundamentals	63.6
					3	MIG/GMAW and STRSW	47.3
					4	Structural	51.7
					5	Non-Structural	55.2
					6	Mechanical and Electrical Systems	54.8
		Perf	588	90.9	1	Welding	91.2
					2	Sheet Metal Repair	91.2
					3	Vehicle Measurement	89.0
3183	Collision Repair and Refinishing Technology	Written	3,721	58.9	1	Safety	68.4
					2	Business Fundamentals	65.6
					3	MIG/GMAW and STRSW	50.4
					4	Structural	54.9
					5	Non-Structural	58.8
					6	Mechanical and Electrical Systems	57.1
					7	Painting and Refinishing	61.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
3183	Collision Repair and Refinishing Technology	Perf	2,945	90.6	1	Welding	90.0
					2	Sheet Metal Repair	90.7
					3	Door Striker Adjustment	96.3
					4	Refinishing	88.0
4020	Commercial Foods	Written	3,378	62.9	1	Safety	80.3
					2	Sanitation	68.5
					3	Culinary Career Overview	69.3
					4	Culinary Techniques	63.3
					5	Recipes and Culinary Math	44.8
					6	Purchasing and Management Skills	56.9
					7	Menu Design and Nutrition	55.1
					8	Customer and Table Service	62.3
					9	Culinary Equipment	67.1
		Perf	2,977	91.7	1	Ident. of Hand Tools, Herbs, Spices, & Flavorings	92.0
					2	Knife skills	92.7
					3	Cooking skills	91.6
		4514	Computer Networking Fundamentals	Written	1,166	49.9	1
	2			Network Connections			60.1
	3			Physical Connection Types			54.8
	4			Network Standards and Devices			47.9
	5			Network Troubleshooting			49.1
	6			Routing and Switching			48.7
	7			Network Terminology			43.3
	8			Network Architecture			47.7
	9			Network Addressing			51.0
	10			Security			48.7
	11			Network Planning and Design			42.4
Perf	357			94.3	1	Select and Connect Equipment to Set Up a Simple LAN with	96.5
		2	Set Up a Workgroup, Create Users, Create Shares, and Ins		92.8		
4023	Computer Programming	Written	5,048	56.8	1	Analyze Programming Problems & Flowchart Solutions	56.2
					2	Design Program Solutions	59.6
					3	Code Programs	55.5
					4	Test Programs	52.3
					5	Maintain Programs	56.6
					6	Complete User Documentation and Technical Writing	54.4
					7	General Information and Concepts	60.2
		Perf	915	73.2	1	Write a program	66.8
	2	Design Solution Logic			83.1		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4515	Computer Repair Technology	Written	2,155	59.1	1	Safety	71.4
					2	Installing, Configuring, and Upgrading	56.3
					3	Diagnosing and Troubleshooting	57.7
					4	Preventive Maintenance	62.1
					5	System Boards, Storage, Processors, and Memory	52.3
					6	Input-Output (I/O) Devices	66.4
					7	Printing	55.2
					8	Basic Networking	52.0
					9	Security	71.8
					10	Customer Support and Ethics	63.2
		Perf	995	89.4	1	Device Identification	76.7
					2	Installing New Hardware/Troubleshooting	93.3
					3	Network Connectivity	91.5
4122	Computer Technology	Written	911	58.3	1	Professional Standards, Ethics, & Business Practices	69.0
					2	General Computer Knowledge and Concepts	55.4
					3	PC (Personal Computer) Hardware Knowledge	52.7
					4	PC (Personal Computer) Software Knowledge	64.3
					5	Networking and Data Communications	52.1
					6	Security	60.8
		Perf	189	92.6	1	File Management Using Windows GUI	94.6
					2	Word Processing Applications	90.1
					3	Spreadsheet Applications	88.3
					4	Network Connectivity	94.3
1128	Construction	Written	253	57.6	1	Technical Skills	40.8
					2	Academic Foundations	62.1
					3	Systems	46.0
					4	Ethics and Legal Responsibilities	45.1
					5	Communication	56.2
					6	Information Technology	46.0
					7	Problem Solving, Crit Thinking, and Decision Making	67.4
					8	Leadership and Teamwork	68.4
					9	Safety, Health, and Environment	75.1
					10	Employability and Career Development	72.1
					11	Construction	56.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4025	Construction Masonry-Block	Written	203	58.6	1	Safety	68.2
					2	Craft Knowledge	68.1
					3	Hand and Power Tools	72.7
					4	Materials	63.5
					5	Blueprints and Specifications	57.4
					6	Project Layout	47.0
					7	Block	57.4
					8	Flashing, Weeps, and Insulation	51.1
					9	Math and Measurements	46.6
					10	Masonry Structure Maintenance	44.0
					11	Professionalism	78.1
		Perf	153	85.6	1	Job Layout	91.4
					2	Constr a Block Wall/Pier in Stretcher/Running Bond	84.8
					3	Project Jointing	80.6
4125	Construction Masonry-Brick	Written	629	53.3	1	Safety	69.7
					2	Craft Knowledge	67.1
					3	Hand and Power Tools	62.7
					4	Materials	57.2
					5	Blueprints and Specifications	53.1
					6	Project Layout	41.9
					7	Brick	50.2
					8	Fireplaces and Chimneys	50.8
					9	Flashing, Weeps, and Insulation	42.3
					10	Math and Measurements	41.8
					11	Masonry Structure Maintenance	42.4
		12	Professionalism	80.0			
		Perf	105	82.4	1	Job Layout	91.0
					2	Constr a Brick Wall/Pier in Stretcher/Running Bond	82.1
			3	Project Jointing	74.1		
4082	Cosmetology	Written	3,697	64.3	1	Safety and Sanitation	70.4
					2	Scientific Concepts	60.1
					3	Salon-Related Business Skills	78.2
					4	Physical Services	65.0
					5	Chemical Services	57.8
					6	Hair Designing	58.2
		Perf	185	95.2	1	90-Degree Haircut	93.0
					2	Blow Dry, Curl, and Press Hair	94.9
					3	Chemical Applications	94.7
					4	Manicure	95.3
					5	Facial	96.1

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4181	Criminal Justice	Written	9,256	67.9	1	Crime Scene Management	68.3
					2	Use of Force	74.5
					3	Criminal Law and Procedures	66.2
					4	Court System	64.5
					5	Health and Safety	62.2
					6	Police Concepts and Skills	70.1
					7	Corrections	62.2
					8	Communication	71.5
					9	Security: National, International, and Private	64.1
					10	Understand and Work with Special Populations	66.6
		Perf	2,573	95.3	1	Crime Scene Investigation	96.1
					2	Arrest	94.0
					3	Visual Memory Test	96.8
					4	Traffic Stop and Citation Issue	95.0
1890	Criminal Justice Advanced	Written	881	54.6	1	Criminal Justice Systems	53.9
					2	Criminal Justice Procedures	62.7
					3	Crime Scene Investigation and Evidence Handling	57.2
					4	Interview and Interrogation	52.9
					5	Criminal Law and Courtroom Procedures	50.1
					6	Issues and Ethics in Criminal Justice	54.3
4436	Culinary Arts Level 1 Prep Cook	Written	1,327	60.0	1	Recipes	59.5
					2	Knife Skills	63.4
					3	Large and Small Equipment	59.0
					4	Sanitation and Safety	66.1
					5	Food Preparation	67.4
					6	Fruits, Vegetables, and Starches	53.4
					7	Bakery Products	46.3
					8	Stocks, Sauces, and Hot Soups	54.0
					9	Meats and Poultry	48.7
					10	Fish and Seafood	60.6
					11	Breakfast Foods	67.1
					12	Dairy Products and Alternatives	59.8
					13	Culinary Nutrition	58.1
					14	Culinary Math	50.4
					15	Employability Skills	62.5
		Perf	605	87.5	1	Comprehensive Skills	89.7
					2	Identification of Kitchen Equipment	88.9
					3	Identification of Herbs, Spices, Fruits, and Vegetables	85.0
					4	Knife Sharpening: Stone and Steel	90.2
			5	Mise En Place	89.0		
			6	Prepare Chef Salad with Vinaigrette Dressing	90.8		
			7	Prepare Cheese Omelet	87.0		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4536	Culinary Arts Level 2 Cook	Written	4,347	63.7	1	Recipes	63.7
					2	Knife Skills	66.1
					3	Large and Small Equipment	64.4
					4	Sanitation and Safety	74.0
					5	Food Preparation	66.9
					6	Fruits, Vegetables, and Starches	55.7
					7	Bakery Products	48.0
					8	Stocks, Sauces and Hot Soups	55.0
					9	Meats and Poultry	55.5
					10	Fish and Seafood	66.1
					11	Breakfast Foods	72.1
					12	Dairy Products and Alternatives	62.3
					13	Culinary Nutrition	61.2
					14	Culinary Math	56.3
					15	Employability Skills	70.6
					16	Dining Service	64.3
		Perf	1,669	89.9	1	Prepare Sautéed Chicken with Fine Herb Sauce	89.3
					2	Prepare Rice Pilaf	90.7
					3	Prepare Steamed Green Vegetables and Carrots	89.4
					4	Prepare Salad Course	90.2
4226	Dental Assisting	Written	517	69.6	1	Introduction to the Dental Assisting Profession	78.2
					2	Communication Skills and Business Office Procedures	81.0
					3	Infection Control and Hazard Management	70.5
					4	Clinical Procedures	70.6
					5	Radiological and Digital Imaging Procedures	60.8
					6	Dental Sciences	64.6
		Perf	363	95.1	1	Prepare Instruments for Autoclaving	97.4
					2	Assemble Equipment to Expose Radiographic Film	92.4
					3	Mount Full Series Radiographs	91.7
					4	Assemble and Disassemble Aspirating Syringe	97.1
					5	Take a Single Mandibular Alginate Impression	96.7
					6	Prepare Class III (Anterior) Composite Tray	92.3
1127	Design and Pre-Construction	Written	142	72.5	1	Technical Skills	66.8
					2	Academic Foundations	76.6
					3	Systems	67.1
					4	Ethics and Legal Responsibilities	57.3
					5	Communication	66.9
					6	Information Technology	69.0
					7	Problem Solving, Crit Thinking, and Decision Making	83.8
					8	Leadership and Teamwork	80.8
					9	Safety, Health, and Environment	83.4
					10	Employability and Career Development	89.0

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1386	Diagnostic Services	Written	35	83.7	1	General Health Science Technical Skills	81.9
					2	Academic Foundations	82.6
					3	Systems	80.0
					4	Ethics and Legal Responsibilities	80.0
					5	Communications	94.3
					6	Information Technology Applications	87.1
					7	Problem Solving, Critical Thinking, and Decision Making	81.4
					8	Leadership and Teamwork	82.4
					9	Safety, Health, and Environmental	78.4
					10	Employability and Career Development	96.7
					11	Diagnostic Services Technical Skills	82.5
4127	Diesel Technology	Written	2,215	59.3	1	Safety	74.2
					2	Shop Practices, Tools, and Equipment	62.3
					3	Diesel Engines	62.5
					4	Suspension and Steering	61.7
					5	Brakes	49.0
					6	Electrical and Electronic Systems	59.8
					7	Drivetrains	55.0
					8	Preventive Maintenance	54.3
		Perf	1,572	93.7	1	Cylinder Liner Installation	90.5
					2	Perform a Wheel Bearing Adj & Brake Stroke Measureme	94.9
					3	Check and Adjust Rocker Lever Clearance	94.4
					4	Perform a Coolant System Inspection	95.1
					5	Electrical Testing	93.7
1236	Early Childhood Development and Services	Written	185	70.7	1	General Human Services Technical Skills	72.7
					2	Early Childhood Development Services	74.9
					3	Academic Foundations	56.2
					4	Systems	64.8
					5	Ethics and Legal Responsibilities	76.1
					6	Communication	77.8
					7	Information Technology	67.9
					8	Problem Solving, Crit Thinking, and Decision Making	58.5
					9	Leadership and Teamwork	68.3
					10	Safety, Health, and Environment	78.6
					11	Employability and Career Development	79.1

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4017	Early Childhood Education and Care-Advanced	Written	2,346	74.1	1	Health and Safety	83.2
					2	Cognitive Development	67.5
					3	Language Development and Communication	75.8
					4	Physical Development	71.7
					5	Social and Emotional Development	74.6
					6	Community and Family Relationships	81.8
					7	Observation, Documentation, and Assessment	72.8
					8	Professionalism	74.2
					9	Classroom Organization and Arrangement	74.9
					10	Creativity	74.1
					11	Diversity in the Classroom	73.1
					12	Inclusion of Children with Special Needs	65.7
					13	Positive Guidance Techniques and Reinforcement	73.9
		Perf	681	92.1	1	Curriculum Planning	93.9
					2	Small Group Teaching	93.3
					3	Arrange a Room	89.2
4016	Early Childhood Education and Care-Basic	Written	26,199	75.4	1	Health and Safety	82.2
					2	Cognitive Development	72.2
					3	Language Development and Communication	74.7
					4	Physical Development	69.4
					5	Social and Emotional Development	75.5
					6	Community and Family Relationships	81.8
					7	Observation, Documentation, and Assessment	79.5
					8	Professionalism	73.2
					9	Classroom Organization and Arrangement	80.3
					10	Creativity	76.0
					11	Diversity in the Classroom	74.0
					12	Inclusion of Children with Special Needs	63.4
					13	Positive Guidance Techniques and Reinforcement	73.2
		Perf	4,879	94.1	1	Demonstrate Washing of Caregiver's Hands	97.4
					2	Introduction Activity	94.2
					3	Story Presentation	94.2
			4	Gross Motor Stretching Activity	92.7		
			5	Closure Activity	91.3		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1125	Education and Training	Written	526	66.2	1	General Education Technical Skills	66.8
					2	Teaching and Training Technical Skills	67.8
					3	Academic Foundations	57.0
					4	Systems	68.0
					5	Ethics and Legal Responsibilities	65.0
					6	Communications	65.1
					7	Information Technology Applications	63.0
					8	Problem Solving and Critical Thinking	62.7
					9	Leadership and Teamwork	74.4
					10	Safety, Health, and Environmental	65.6
					11	Employability and Career Development	73.1
2039	Electric Power and Distribution	Written	62	60.3	1	Maintain a Safe Work Environment	77.7
					2	Perform Job Site Planning Activities	59.1
					3	Climbing Skills	83.9
					4	Pole Framing and Construction Specifications	44.3
					5	Equipment Operation	53.6
					6	Setting and Replacing Poles	62.9
					7	Transformer Installation	69.2
					8	Service Installation and Metering	62.7
					9	Conductor Installation and Repair	61.3
					10	Rubber Gloving Methods	61.7
					11	Underground Distribution	54.5
					12	Substations and Voltage Regulation	58.7
					13	Fusing and System Coordination	49.9
					14	Maintain Line Equipment and Tools	63.2
					15	Maintain Records and Documentation	55.6
					16	Problem Solving and Troubleshooting	60.5
		Perf	58	93.5	1	Hurtman Rescue Using A Handline	89.7
					2	Transformer Connections	79.5
					3	Material and Tool Identification	95.8
					4	Tool Identification and Use	91.3
					5	Knot Tying	97.5
					6	Truck Operation	98.2
					7	Meter Installation	98.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
4130	Electrical Construction Technology	Written	2,614	56.6	1	Intro to the Electrical Construction Tech Career	68.6		
					2	OSHA Regulations and Electrical Safety Practices	66.3		
					3	Meters, Measurements, Testing	59.2		
					4	Ident & Selection of Tools, Materials, & Components	65.3		
					5	National Electrical Code (NEC)	55.2		
					6	Blueprints, Specifications, and Estimations	64.0		
					7	AC Theory, Magnetic Theory, and DC Theory	53.5		
					8	Circuit Theorems and Conversions	50.8		
					9	Wiring, Circuits, and Installation	54.1		
					10	Green and Renewable Technology	51.7		
					11	Transformers	48.5		
					12	Motors	45.5		
		Perf	1,411	88.8	1	Bend Conduit	87.5		
					2	Switching a GFCI Receptacle in a Residential Setting	87.3		
					3	Install Two Smoke Alarms in a Commercial Setting	93.4		
3029	Electrical Occupations	Written	1,601	56.5	1	Safety	62.8		
					2	Wiring Methods	57.5		
					3	Tools	82.4		
					4	Motors and Motor Controls	51.2		
					5	National Electrical Code	60.6		
					6	Blueprint Reading	60.4		
					7	Applied Mathematics	60.0		
					8	Alternating Current (AC)	42.5		
					9	Direct Current (DC)	37.6		
		Perf	1,005	91.2	1	Install Cable from Meter Base to Serv Entrance Panel	90.7		
					2	Install GFCI Circuit Breaker in Existing 100 AMP Panel	94.5		
					3	Wire Lighting Control	90.7		
					4	Install Door Chimes	90.7		
		3034	Electronics	Written	830	52.9	1	Safety	71.5
2	DC Circuits						58.5		
3	AC Circuits						48.0		
4	Solid State Circuits						44.6		
5	Soldering and De-Soldering						57.9		
6	Use of Equipment						53.4		
7	Digital Theory						56.8		
8	Electronics-Related Mathematics						49.6		
Perf	155			82.6	1	IC Identification	92.2		
					2	DC Circuit Construction and Analysis	85.7		
					3	Power Supply Construction and Analysis	78.0		
					4	De-Soldering and Soldering	91.8		
					5	CE Amplifier Construction and Analysis	71.7		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4035	Electronics Technology	Written	3,589	50.8	1	Safety Practices	59.8
					2	Fundamental Electrical Principles and Theory	57.1
					3	Digital Electronic Circuits	49.8
					4	Electronic Device Analysis and Applications	44.7
					5	Electronic Testing Equipment	58.0
					6	Direct Current (DC) Circuit Analysis	48.5
					7	Alternate Current (AC) Analysis	42.4
					8	Prototyping and Fabrication Techniques	51.3
					9	Careers in Electronics	54.6
		Perf	1,862	89.6	1	De-Soldering and Soldering	93.1
					2	Power Supply Construction and Circuit Analysis	90.5
					3	Op AMP Construction and Analysis	87.1
					4	Design & Build a Combinational Logic Circuit	87.2
		1135	Emergency and Fire Management Services	Written	456	65.7	1
2	Academic Foundations						73.0
3	Systems						58.2
4	Ethics and Legal Responsibilities						54.9
5	Communications						76.2
6	Information Technology Applications						66.8
7	Problem Solving, Crit Thinking, and Decision Making						63.4
8	Leadership and Teamwork						64.3
9	Safety, Health, and Environment						68.4
10	Employability and Career Development						63.7
11	Emergency and Fire Management Services						66.2
1138	Emergency Medical Services	Written	702	68.2	1	General Skills	57.3
					2	Academic Foundations	74.3
					3	Systems	62.7
					4	Ethics and Legal Responsibilities	61.0
					5	Communications	75.1
					6	Information Technology Applications	70.9
					7	Problem Solving, Crit Thinking, and Decision Making	65.8
					8	Leadership and Teamwork	65.6
					9	Safety, Health, and Environment	75.3
					10	Employability and Career Development	69.9
					11	Emergency Medical Services	67.1

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1237	Family and Community Services	Written	20	68.9	1	General Human Services Technical Skills	73.1
					2	Family and Community Services	77.2
					3	Academic Foundations	52.7
					4	Systems	55.7
					5	Ethics and Legal Responsibilities	75.8
					6	Communications	74.5
					7	Information Technology Applications	65.6
					8	Problem Solving, Critical Thinking, and Decision Making	62.9
					9	Leadership and Teamwork	62.5
					10	Safety, Health, and Environmental	76.3
					11	Employability and Career Development	75.0
4002	Fashion Merchandising	Written	74	71.5	1	Core Competencies	78.0
					2	Fashion Merchandising Skills	67.3
					3	Customer Service/Sales Skills and Techniques	77.0
					4	Cash Handling Skills	60.7
					5	Stockroom Skills	75.0
					6	Selling Area Skills	75.7
					7	Advertising, Visual Merchandising, Sales Promotion Skills	71.3
					8	Market Research	69.4
					9	Principles of Management	68.5
1094	Financial and Investment Planning	Written	1,928	62.1	1	Cluster Technical Skills - Finance	57.0
					2	Technical Skills - Financial and Investment Planning	52.3
					3	Academic Foundations	54.3
					4	Systems	65.0
					5	Ethics and Legal Responsibilities	60.5
					6	Communication	71.3
					7	Information Technology Applications	56.6
					8	Problem Solving, Crit Thinking, & Decision Making	71.6
					9	Leadership and Teamwork	78.7
					10	Safety, Health and Environmental	62.4
					11	Employability and Career Development	87.0
2120	Financial and Managerial Accounting	Written	87	39.4	1	Journalizing	35.4
					2	Cash and Banking Procedures	38.3
					3	Merchandise Inventory	37.1
					4	Financial Statements	35.1
					5	Competence in Technology	62.1
					6	Internal Control	46.3
					7	Basic Accounting Knowledge	41.3
					8	Advanced Accounting Practices	37.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4049	Floriculture	Written	2,028	59.6	1	Basic Floral Design	65.6
					2	Intermediate Floral Design	55.9
					3	Advanced Floral Design	72.8
					4	Small Floriculture or Floriculture-Greenhouse Bus	62.4
					5	Plant Science	45.4
		Perf	560	85.9	1	Isosceles Triangle Arrangement	90.7
					2	Design a Multi-Flower Corsage	92.7
					3	Cash Register/Sales	95.9
					4	Plant Classification	72.5
4949	Floriculture-Greenhouse	Written	1,587	56.4	1	Basic Floral Design	64.2
					2	Intermediate Floral Design	54.5
					3	Advanced Floral Design	71.9
					4	Small Business	62.5
					5	Greenhouse Operations	49.9
					6	Plant Sciences	48.1
					7	Soil Sciences	47.1
		Perf	880	85.8	1	Isosceles Triangle Arrangement	87.1
					2	Design a Multi-Flower Corsage	89.3
					3	Start/Propagate Geraniums from a Stem Tip Cutting	92.7
			4	Cash Register/Sales	72.9		
			5	Plant Classification	93.3		
3037	Forest Products and Processing	Written	3,972	46.3	1	Safety	67.6
					2	Logging, Harvesting	46.5
					3	Tree Identification	51.9
					4	Sawmill Operation	36.2
					5	Diesels and Hydraulics	43.2
					6	Chain Saws	45.6
					7	Silviculture and Forest Management	39.0
					8	Forest Ecology and Protection	47.4
					9	Surveying	45.9
					10	Timber Cruising	38.8
					11	Wildlife	48.1
					12	Business Management and Employability Skills	56.3
		Perf	289	78.8	1	Manually Fell a Tree	92.9
					2	Identify Leaf, Bud, and Bark Specimens	74.2
					3	Grade Hardwood or Pine Lumber	75.2
					4	Scale Hardwood or Pine Logs	74.5
					5	Sharpen and Adjust Chain Saw	95.0
					6	Calculate Acreage	72.8
			7	Plot and Analyze 1/5 Acre	70.9		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
0177	Fundamentals of Construction	Written	511	58.8	1	Foundations of Safety	70.0
					2	Jobsite Safety and Safety Regulations	54.7
					3	Personal Protective Equipment	73.0
					4	Hazard Analysis	61.4
					5	Hand Tools	53.3
					6	Power Tools	58.0
		Perf	114	88.0	1	Circular Saw	88.2
					2	Drill Holes	90.3
					3	Pneumatic Fasteners	82.3
					4	Job Site Hazards	88.6
1203	General Management	Written	26,821	62.1	1	Business Management Technical Skills	55.3
					2	General Management	63.0
					3	Academic Foundations	61.1
					4	Systems	67.4
					5	Ethics and Legal Responsibilities	64.5
					6	Communications	60.2
					7	Information Technology Applications	64.2
					8	Problem Solving, Crit Thinking, and Decision Making	55.3
					9	Leadership and Teamwork	69.8
					10	Safety, Health, and Environmental	67.4
					11	Employability and Career Development	61.9
4242	Graphic Production Technology	Written	2,152	54.7	1	Introduction to Printing	56.7
					2	Electronic Publishing & Printing, Pre-Press, & Output	59.4
					3	Offset Press Operations	45.6
					4	Digital Operations	51.7
					5	Binding, Finishing, and Distribution Processes	51.7
		Perf	1,567	94.1	1	Design and Pre-Press	94.0
2	Paper Drill, Shrink Wrap, Package, & Prepare for Pick-up				94.3		
4143	Health Assisting	Written	7,649	71.0	1	First Aid and General Safety	77.4
					2	Medical Terminology	69.2
					3	Body Systems	68.3
					4	Observation and Communication	67.1
					5	Documentation & Legal Issues of the Hlth Assist Prof	75.6
					6	Health Assistant Skills	69.1
		Perf	6,141	96.3	1	Hand Washing and Personal Protective Equip (PPE)	98.1
					2	Change a Patient Gown	96.5
			3	Measure Vital Signs, Height, and Weight	96.2		
			4	Transfer Patient from Bed to Wheelchair	92.3		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1387	Health Informatics	Written	217	70.4	1	General Health Science Technical Skills	66.7
					2	Academic Foundations	69.2
					3	Systems	58.8
					4	Ethics and Legal Responsibilities	79.6
					5	Communications	74.9
					6	Information Technology Applications	75.9
					7	Problem Solving, Critical Thinking, and Decision Making	71.8
					8	Leadership and Teamwork	74.0
					9	Safety, Health, and Environmental	63.5
					10	Employability and Career Development	88.4
					11	Health Informatics	67.1
1141	Healthcare Core	Written	1,248	78.9	1	Awareness and Sensitivity to Client Needs	80.4
					2	Behaviors for Success in Healthcare Settings	84.7
					3	Communication in Healthcare Settings	83.9
					4	Healthcare Ethics	61.2
					5	Legal Issue in Healthcare	82.0
					6	Healthcare Safety and Standard Precautions	80.8
					7	Respecting Client and Staff Diversity	72.4
3064	Heating, Ventilation, Air Cond., and Refrigeration	Written	2,463	53.1	1	Electricity	39.9
					2	Soldering, Brazing, and Welding	55.7
					3	Pipefitting	59.3
					4	Controls	48.3
					5	Installation and Service	48.6
					6	Related Math and Science	57.0
					7	Refrigeration	42.1
					8	Refrigerant Recovery	61.8
					9	General Safety	67.9
					10	Computer Literacy	56.9
					11	Employability Skills	75.1
		Perf	2,688	90.1	1	Gas Furnace Check and Start-Up	90.4
					2	Recover & Replace Refrigerant in a Refrigeration Syst	89.8

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
3045	Heating, Ventilation, and Air Conditioning	Written	2,496	50.0	1	Electricity	41.0
					2	Soldering, Brazing, and Welding	55.1
					3	Pipefitting	59.6
					4	Controls	46.8
					5	Installation and Service	44.2
					6	Related Math and Science	55.5
					7	Refrigeration	39.6
					8	Refrigerant Recovery	60.3
					9	General Safety	66.5
					10	Computer Literacy	56.9
					11	Employability Skills	72.7
					12	Air Conditioning	46.2
					13	Heat Pumps and Electric Heat	51.7
					14	Hydronic Systems	49.2
					15	Forced Air, Gas, and Oil Units	53.0
					16	Humidity and Air Movement	32.5
					17	Sheet Metal and Ductwork	37.1
		Perf	2,090	84.4	1	Gas Furnace Check and Start-Up	87.8
					2	Air Conditioning	82.2
3046	Heavy Equipment Maintenance and Repair	Written	975	57.9	1	Maintain and Repair Engine	58.8
					2	Maintain and Repair Power Train	57.2
					3	Maintain and Repair Electrical System	59.0
					4	Maintain and Repair Brake System	51.2
					5	Welding	60.6
					6	Preventive Maintenance	66.2
					7	Maintain and Repair Hydraulic System	48.4
					8	General Shop Practices	62.2
					9	Air Conditioning	53.6
					10	Heavy Equipment Undercarriage	50.1
		Perf	589	90.8	1	Test Cooling System	96.2
					2	Electrical Testing	87.7
					3	Adjust Valve Clearance	90.3
					4	Set Carrier Ring and Pinion Backlash	88.6
					5	Identify Brake Components	89.1
			6	Measure and Adjust Track	93.8		
			7	Cut and Weld Steel	86.6		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg			
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	2,295	49.6	1	General Knowledge	52.2			
					2	Pest and Disease Management	49.3			
					3	Fundamentals of Irrigation	55.5			
					4	Basic Nursery/Greenhouse Skills	43.8			
					5	Horticulture Business and Retailing	53.6			
					6	Landscape Design	39.9			
					7	Landscape Installation and Construction	46.3			
					8	Landscape and Turf Maintenance	51.6			
					9	Arboriculture	49.2			
					Perf	968	91.3	1	Identify and Control Pests	87.8
								2	Identify Equipment Features	92.4
								3	Plant a Container-Grown Shrub	92.5
								4	Prune a Tree and an Evergreen Shrub	93.6
								5	Stake Out a Site Plan - Entrance Walkway	90.4
3079	Hospitality Management-Food and Beverage	Written	351	59.8	1	Introduction to the Hospitality Industry	61.3			
					2	Guest Relations and Concierge	74.3			
					3	Marketing and Sales	57.5			
					4	Safety and Security	64.8			
					5	Opening and Settling Financial Transactions	48.3			
					6	Travel and Tourism	62.6			
					7	Legal and Ethical Responsibilities	69.3			
					8	Restaurant Management	56.6			
					9	Food and Beverage Service	58.3			

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
3079	Hospitality Management-Food and Beverage	Perf	82	93.5	1	Demonstrate Napkin Folding	97.4		
					2	Identify Equipment	95.7		
					3	Perform Table-Side Service	94.4		
					4	Prepare Chicken Cordon Bleu	96.9		
					5	Serve Guests	94.4		
					6	Pricing Menu Items	76.6		
					7	Complete a Banquet Event Order Sheet	90.6		
3080	Hospitality Management-Lodging	Written	940	60.6	1	Introduction to the Hospitality Industry	68.0		
					2	Guest Relations and Concierge	78.0		
					3	Marketing and Sales	61.5		
					4	Safety and Security	61.0		
					5	Opening and Settling Financial Transactions	48.6		
					6	Travel and Tourism	69.1		
					7	Legal and Ethical Responsibilities	72.5		
					8	Housekeeping Management	56.1		
					9	Front Office Procedures	52.9		
			Perf	534	83.2	1	Folio and Form Completion	73.1	
			2			Customer relations role play	86.2		
			3			Pricing Menu Items	88.1		
			4			Complete a Banquet Event Order Contract Form	79.4		
			5			Set up continental breakfast buffet table	92.7		
		1204	Human Resources Management	Written	362	66.0	1	Business Management Technical Skills	58.0
							2	Human Resources Management	66.5
							3	Academic Foundations	63.3
	4			Systems			72.2		
	5			Ethics and Legal Responsibilities			73.3		
	6			Communications			64.2		
	7			Information Technology Applications			68.3		
	8			Problem Solving, Crit Thinking, and Decision Making			58.9		
	9			Leadership and Teamwork			75.1		
	10			Safety, Health, and Environmental			69.8		
	11			Employability and Career Development			68.8		
2111	HVACR-Installation and Start-up	Written	29	38.3	1	OSHA Guidelines and General Safety	53.9		
					2	Related Math, Building Science, Blueprints, and Tools	37.6		
					3	Electricity	33.5		
					4	Pipe Fitting, Soldering, and Brazing	48.5		
					5	Airflow and Ductwork	32.6		
					6	Warm Air Systems	29.7		
					7	Hydronic Systems	39.4		
					8	Air Conditioning - Residential	40.8		
					9	Heat Pumps, Electric Heat	30.7		
					10	Introduction to Refrigeration	35.1		
					Perf	No data available			

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
2110	HVACR-Service and Repair	Written	293	51.3	1	OSHA Guidelines and General Safety	74.1		
					2	Related Math, Building Science, Blueprints, and Tools	49.2		
					3	Electricity	47.8		
					4	Pipe Fitting, Soldering, and Brazing	64.5		
					5	Airflow and Ductwork	41.0		
					6	Warm Air Systems	50.4		
					7	Hydronic Systems	31.1		
					8	Air Conditioning - Residential	51.2		
					9	Heat Pumps, Electric Heat	38.0		
					10	Refrigeration	43.0		
		Perf	17	81.6	1	Troubleshoot and Repair Heat Pump	82.7		
					2	Pump Down Refrigeration System and Replace Liquid Line	79.5		
					3	Locate an AC/R System Leak	85.2		
		2050	Industrial Electricity	Written	147	48.4	1	DC Theory	51.6
							2	AC Theory	44.9
							3	Test Equipment	68.2
							4	Electrical Drawings	60.7
5	General Wiring						39.2		
6	National Electrical Code						42.0		
7	Electrical Controls						47.7		
8	Generators						50.1		
9	Motors						40.2		
10	Transformers						47.1		
11	Variable Frequency Drives (VFDs)						50.4		
12	Programmable Logic Controllers (PLCs)						45.6		
13	Safety						51.0		
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	1,041	43.9	1	DC Electricity	56.6		
					2	AC Circuits	42.9		
					3	Test Equipment	40.8		
					4	Semiconductors	47.8		
					5	Electronic Circuits	40.8		
					6	Digital/Micro	38.4		
					7	Transducers	43.3		
					8	Ladder Logic and Motors	37.5		
					9	Safety	52.9		
					10	Programmable Logic Controllers	44.1		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
2051	Industrial Electronics	Perf	976	74.8	1	Semiconductor Testing	72.9		
					2	Solder/Desoldering Components	77.3		
					3	Meter Usage	71.6		
					4	Circuit Construction	80.9		
					5	Oscilloscope Usage	77.0		
					6	Troubleshooting	75.1		
					7	Gate Substitution	67.8		
2074	Industrial Maintenance Mechanics	Written	214	40.9	1	Machinery and Equipment	46.9		
					2	Tools and Safety	52.1		
					3	Electronics and Electrical Principles	41.7		
					4	Hydraulics and Pneumatics	41.3		
					5	Motors and Motor Controls	31.1		
					6	Mechanism Drives	32.7		
					7	Industrial Robotics Systems	37.3		
					8	Blueprints and Schematics	39.8		
		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		
		1131	Information Support and Services	Written	471	60.2	1	Information Technology Applications	53.2
							2	Academic Foundations	53.0
	3			Systems			63.2		
	4			Ethics and Legal Responsibilities			69.2		
	5			Communication			65.3		
	6			Problem Solving, Crit Thinking, and Decision Making			59.8		
	7			Leadership and Teamwork			73.2		
	8			Safety, Health, and Environment			64.0		
	9			Employability and Career Development			57.9		
	10			Information Support and Services			57.1		
1132	Interactive Media	Written	745	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	60.1		
					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	45.9		
					10	Interactive Media	53.4		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1032	Interior Decorating and Design	Written	413	57.8	1	Safety and Environmental Issues	64.4
					2	Elements and Principles of Design	66.9
					3	Textiles, Fibers, and Fabrics	50.7
					4	Interior Materials and Products	51.6
					5	Furnishings and Accessories	50.9
					6	Art Periods and Design Styles	42.2
					7	Visual Presentation	55.0
					8	Technical Knowledge	50.6
					9	Retail Operation Procedures	62.5
					10	Marketing Skills	62.3
					11	Housing Issues	59.9
1170	IT Exploration	No data available					
1137	Legal Services	Written	203	61.0	1	General Skills	56.7
					2	Academic Foundations	69.9
					3	Systems	53.9
					4	Ethics and Legal Responsibilities	51.8
					5	Communications	72.3
					6	Information Technology Applications	74.0
					7	Problem Solving, Crit Thinking, and Decision Making	63.3
					8	Leadership and Teamwork	60.3
					9	Safety, Health, and Environmental	55.8
					10	Employability and Career Development	66.7
					11	Legal Services	56.8
1287	Lodging	Written	95	66.8	1	General Hospitality and Tourism Technical Skills	71.8
					2	Academic Foundations	64.3
					3	Systems	74.2
					4	Ethics and Legal Responsibilities	79.8
					5	Communication	71.5
					6	Information Technology	56.1
					7	Problem Solving, Crit Thinking, and Decision Making	52.9
					8	Leadership and Teamwork	77.0
					9	Safety, Health, and Environment	73.4
					10	Employability and Career Development	80.6
					11	Lodging Services	55.9

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
2071	Logistics Tech/Distribution Center Services	Written	701	57.8	1	Operations/Safety and Ergonomics	71.9		
					2	Operations/Inventory Management	51.4		
					3	Operations/Procurement	52.2		
					4	Operations/Receiving	53.1		
					5	Operations/Putaway	67.8		
					6	Operations/Picking (Order Selection)	46.9		
					7	Operations/Packing	58.9		
					8	Operations/Shipping	54.7		
					9	Operations/Material Handling Equipment	53.1		
					10	Operations/Technology	53.8		
					11	Customer Relations/Direct Comm with Customers	68.5		
					12	Customer Relations/Cust Requirement Analysis	59.6		
					13	Logistics/Supply Chain Management	50.6		
					14	Logistics/Industry Trends and Current Topics	74.9		
		Perf	683	93.1	1	Inventory Control/Cycle Count	93.8		
					2	Material Handling Equipment	91.5		
					3	Receiving	95.1		
					4	Order Fulfillment Process	94.9		
					5	Bill of Lading	91.6		
		1129	Maintenance Operations	No data available					
		2084	Manufacturing Technology	Written	1,779	47.6	1	Manufacturing Math, Science, and Measurement	49.5
							2	Workplace Safety, Health, and Job Skills	59.6
3	Quality Assurance						45.0		
4	Blueprint Reading						44.7		
5	Manufacturing Fundamentals, Processes, & Materials						43.0		
6	Material Handling						56.9		
7	Industrial Robotics Systems						35.8		
8	Computer Use						52.2		
9	Process Control						49.7		
10	Purchasing and Resource Identification Activities						53.1		
11	Electronics and Hydraulics						38.1		
12	Design Processes						47.3		
Perf	358			78.3	1	Milling Operations	77.0		
					2	Assemble A Multiple Shaft Gear Drive System	72.4		
					3	Determine Gage Block Combinations	89.5		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4038	Mechanical Drafting and Design	Written	1,074	58.9	1	Prep to Draw: Basic Drawing and Dimensioning Skills	62.2
					2	Applied Mathematics	67.3
					3	Identify Measurements	63.1
					4	Geometric Construction	70.4
					5	Engineering Drawings	52.5
					6	Multiview Drawings	46.9
					7	Section Views	49.6
					8	Auxiliary Views	46.6
					9	Dimensioning Skills	57.0
		Perf	392	86.0	1	Auxiliary Views	82.3
					2	Drawing Completion and Dimensioning	85.2
					3	Pattern Development	88.4
					4	Section Drawing	88.3
2040	Mechatronics-Level 1	Written	491	55.6	1	Introduction to Mechatronics: Safety	65.3
					2	Introduction to Mechatronics: Communication	69.7
					3	Instrumentation and Measurement	53.6
					4	Electrical	50.2
					5	Mechanical	55.7
					6	Hydraulic and Pneumatic Systems	57.9
					7	Computer and Control Systems	48.3
4455	Medical Assisting	Written	926	66.4	1	Medical Office Procedures	63.4
					2	Foundations of Health Care	64.3
					3	General Laboratory Procedures and Diagnostic Testing	61.1
					4	Clinical Practices and Patient Care	69.5
					5	Medical Assisting Safety	62.1
					6	Patient Instruction	66.6
					7	Medical Law and Ethics for Health Care	70.1
		Perf	585	96.3	1	Positioning	95.5
					2	Blood Pressure and Pulse Measurement	95.2
					3	Electrocardiogram	97.4
					4	Visual Acuity Screening	95.3
					5	Lab Requisition Form	97.5
					6	Applying and Removing Sterile Gloves	97.0
1228	Natural Resource Systems	Written	1,106	65.4	1	Technical Skills	60.1
					2	Academic Foundations	64.5
					3	Systems	76.3
					4	Ethics and Legal Responsibilities	68.1
					5	Communication	63.9
					6	Information Technology Applications	61.6
					7	Problem Solving, Crit Thinking, and Decision-Making	67.7
					8	Leadership and Teamwork	74.7
					9	Safety, Health, and Environmental	67.4
					10	Employability and Career Development	72.8
					11	Natural Resources	61.0

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1130	Network Systems	Written	409	57.6	1	Information Technology Applications	53.0
					2	Academic Foundations	53.1
					3	Systems	62.2
					4	Ethics and Legal Responsibilities	67.8
					5	Communication	61.8
					6	Problem Solving, Crit Thinking, and Decision Making	54.0
					7	Leadership and Teamwork	69.7
					8	Safety, Health, and Environment	66.3
					9	Employability and Career Development	53.4
					10	Network Systems	51.1
4158	Nursing Assisting	Written	5,816	74.0	1	Basic Nursing Assisting Skills	70.8
					2	Infection Control	67.2
					3	Communication Skills	71.6
					4	Personal Care Skills	78.9
					5	Mental Health and Social Service Needs	80.0
					6	Ethics, Rights, and Legal Responsibilities	79.3
					7	Basic Restorative Devices	72.5
					8	Employability Skills	75.2
		Perf	1,348	95.5	1	Obtain and Record Standard Vital Signs	93.9
					2	Apply and Remove Personal Protective Equipment	95.7
					3	Demonstrate Wheelchair Assistance	96.0
					4	Make an Occupied Bed	96.8
					5	Provide a Modified Bed Bath for an Adult Female Patient	95.4
1107	Performing Arts	Written	812	71.5	1	Technical Skills	69.5
					2	Performing Arts	68.3
					3	Academic Foundations	71.4
					4	Systems	81.4
					5	Ethics and Legal Responsibilities	77.4
					6	Communication	84.2
					7	Information Technology Applications	51.8
					8	Problem Solving, Crit Thinking & Decision-Making	56.6
					9	Leadership and Teamwork	85.5
					10	Safety, Health, and Environmental	75.3
					11	Employability and Career Development	63.0
1238	Personal Care Services	No data available					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4061	Plumbing	Written	1,328	57.8	1	Safety	66.7
					2	Plumbing Math	53.9
					3	General Plumbing Practices	61.5
					4	Joining Pipes and Fittings	59.7
					5	Drainage	54.7
					6	Vent Installation	51.3
					7	Water Supply and Distribution	62.8
					8	Hot Water Systems	57.4
					9	Traps	51.9
					10	Installing Fixtures	55.2
					11	Plumbing Service and Repair	51.6
		Perf	1,029	89.6	1	Install and Prepare to Leak Test a DWV System	91.0
					2	Install and Prepare to Leak Test a Water Supply System	88.6
4162	Practical Nursing	Written	65	71.4	1	Communication and Employability	79.4
					2	Legal and Ethical Responsibilities	80.8
					3	Anatomy, Physiology, and Pathophysiology	63.9
					4	Patient Care Skills	67.8
					5	Administer Medication	63.3
					6	Infection Control	75.8
					7	Psychological Support	82.4
					8	Supervised Management Functions	67.1
		Perf	No data available				
4152	Precision Machining	Written	701	60.5	1	Organization and Shop Safety Practices	80.9
					2	Measurement and Inspection	62.5
					3	Metallurgical Processes and Heat Treating	64.4
					4	Blueprint Interpretation and Process Planning	52.3
					5	Layout and Benchwork	56.6
					6	Band Saw Machines	60.8
					7	Lathes	62.7
					8	Milling Machines	53.5
					9	Surface Grinding	52.1
					10	Computer Numerical Control (CNC) Programming, Preparation	54.8
					11	Drill Press	66.2
		Perf	192	83.7	1	Milling Operations	83.5
			2	Lathe Operations	83.9		
2475	Pre-Engineering/Engineering Technology	Written	11,404	58.1	1	Overview of Engineering	71.2
					2	Design Process/Problem Solving	68.9
					3	Manufacturing	49.7
					4	Assembly and Fabrication	55.3
					5	Materials	56.3
					6	Communication and Teamwork	65.8
					7	Safety	55.0
					8	Engineering Systems	53.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
2475	Pre-Engineering/Engineering Technology	Perf	2,482	89.0	1	Technical Writing	88.5
					2	Oral Presentation	89.8
3063	Production Agriculture	Written	6,346	53.0	1	Animal Science	59.3
					2	Conservation and Sustainable Natural Resources	50.7
					3	Plant Science	48.8
					4	Soil Management	49.3
					5	Agricultural Technology	56.5
					6	Agri-Business	48.7
		Perf	3,512	77.7	1	Vehicle Maintenance	94.0
					2	Calculate Net Worth	64.7
					3	Determine Genotypes and Phenotypes (Punnet Square)	72.1
					4	Crop Leaf Identification	64.1
					5	Administer an Injection	84.3
					6	Compute Acreage	83.1
2480	Protective Services	Written	1,587	64.9	1	Public Safety	63.7
					2	Law Enforcement	66.9
					3	Fire Fighting	68.7
					4	Emergency Medical Services	57.3
					5	Career Development	69.2
					6	Homeland Security	57.9
		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	664	75.4	1	General Hospitality and Tourism Technical Skills	81.7
					2	Academic Foundations	72.4
					3	Systems	76.3
					4	Ethics and Legal Responsibilities	81.6
					5	Communication	76.0
					6	Information Technology	61.1
					7	Problem Solving, Crit Thinking, and Decision Making	58.5
					8	Leadership and Teamwork	77.1
					9	Safety, Health, and Environment	83.2
					10	Employability and Career Development	80.7
					11	Recreation, Amusements, and Attractions	77.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1286	Restaurants, Food, and Beverage Services	Written	553	65.1	1	General Hospitality and Tourism Technical Skills	69.2
					2	Academic Foundations	63.2
					3	Systems	70.2
					4	Ethics and Legal Responsibilities	75.0
					5	Communication	67.2
					6	Information Technology	51.2
					7	Problem Solving, Crit Thinking, and Decision Making	53.8
					8	Leadership and Teamwork	71.1
					9	Safety, Health, and Environment	76.5
					10	Employability and Career Development	73.5
					11	Restaurant, Food, and Beverage Services	58.8
4010	Retail Commercial Baking	Written	1,576	72.6	1	Safety and Sanitation	78.3
					2	Business and Math Skills	71.5
					3	Ident, Classification, and Properties of Ingredients	63.6
					4	Baking Preparation (Mise en Place)	71.5
					5	Basic Baking	71.4
					6	Product Merchandising	75.1
					7	Purchasing, Receiving, Inventory, and Storage	71.4
					8	Nutrition	71.6
					9	Human Relations and Career Skills	79.3
		Perf	1,309	91.1	1	Soft Dinner Roll Dough	92.8
					2	Cake Decorating	88.5
					3	Fruit Pie	92.6
					4	Pâte À Choux	91.3
4153	Retail Merchandising	Written	4,581	69.5	1	Advertising/Promotion	72.8
					2	Communications	76.2
					3	Visual Merchandising	77.9
					4	Marketing/Merchandising	67.5
					5	Technology in Retail Merchandising	70.6
					6	Economics	58.7
					7	Customer Service, Sales, and Selling	73.1
					8	Professionalism in Retail Merchandising	77.1
					9	Retail-related Mathematics	64.2
					10	Entrepreneurship	57.7
		Perf	1,421	85.7	1	Inventory Check-in	78.2
					2	Cash Handling	87.9
					3	Handling Customer Returns	90.9
					4	Product Knowledge and Selling	90.0
					5	Virtual Cash Drawer Closing of a Retail Business	82.3

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg				
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				
					11	Security and Protective Services	49.9				
3103	Small Animal Science and Technology	Written	1,475	67.4	1	Safety and Sanitation	73.9				
					2	Animal Care Management	76.9				
					3	Grooming	71.8				
					4	Genetics and Reproduction	58.3				
					5	Management of Small Animal-Related Businesses	71.4				
					6	Animal First Aid	63.6				
					7	Health and Disease Control	70.0				
					8	Nutrition	59.6				
		Perf	533	92.0	1	Identify Tools and Equipment	78.5				
					2	Proper Restraint and Sex Determination of Small Animals	97.5				
					3	Identify Parasites	91.1				
					4	Fill Syringes	92.9				
					5	Canines: Safety, Handling, Restraint, and External Anatom	91.7				
					6	Determine Proper Diet for Small Animals	90.9				
		4168			Small Engine Technology	Written	1,358	61.5	1	Safety	73.2
									2	General Shop Practices	66.2
	3		Maintenance	56.3							
	4		Lubrication Systems	72.5							
	5		Fuel System Fundamentals	63.7							
	6		Governor	56.5							
	7		Ignition	51.5							
	8		Starters and Charging Systems	47.5							
	9		Cylinder Head and Valve, Service and Maintenance	62.7							
	10		Engine Assembly	62.5							
	11		Troubleshooting	58.0							
Perf	587	91.1	1	Start and Adjust Engine	94.0						
			2	Ignition Service	92.8						
			3	Measure Parts	84.1						
			4	Valve Service	88.5						
			5	Carburetor Service	94.0						
			6	Invoicing Parts	87.5						
			7	Manual Starter Service	93.1						

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4054	Technical Drafting	Written	1,762	55.7	1	Basic Drawing Skills	59.2
					2	Geometric Construction	62.8
					3	Applied Mathematics	72.3
					4	Dimensioning Skills	51.2
					5	Multiview Drawing	49.4
					6	Threads and Fasteners	47.8
					7	Manufacturing Processes	45.7
					8	Design Principles	42.6
		Perf	871	81.9	1	Visualization	78.4
					2	Orthographic Drawing	82.4
					3	Development	82.0
					4	Assembly	89.0
3427	Television Production	Written	7,622	60.4	1	Safety	74.7
					2	Pre-Production	60.5
					3	Production	58.8
					4	Post-Production	57.6
					5	Ethics, Communications, and General Field Knowledge	62.8
		Perf	1,475	87.1	1	Create and Script Video	89.8
					2	Shot Composition	87.2
3	Edit Shots with the Interview				83.9		
1385	Therapeutic Services	Written	638	75.5	1	General Health Science Technical Skills	73.2
					2	Academic Foundations	67.4
					3	Systems	65.6
					4	Ethics and Legal Responsibilities	86.2
					5	Communications	80.7
					6	Information Technology Applications	71.9
					7	Problem Solving, Critical Thinking, and Decision Making	75.0
					8	Leadership and Teamwork	75.7
					9	Safety, Health, and Environmental	79.0
					10	Employability and Career Development	92.7
					11	Therapeutic Services	73.2
1288	Travel and Tourism	Written	660	70.4	1	General Hospitality and Tourism Technical Skills	73.8
					2	Academic Foundations	69.2
					3	Systems	76.1
					4	Ethics and Legal Responsibilities	79.9
					5	Communication	71.5
					6	Information Technology	59.8
					7	Problem Solving, Crit Thinking, and Decision Making	56.3
					8	Leadership and Teamwork	77.9
					9	Safety, Health, and Environment	75.4
					10	Employability and Career Development	78.6
					11	Travel and Tourism	66.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1108	Visual Arts	Written	496	68.0	1	Technical Skills	65.9
					2	Visual Arts	62.4
					3	Academic Foundations	69.1
					4	Systems	77.1
					5	Ethics and Legal Responsibilities	69.9
					6	Communication	82.3
					7	Information Technology Applications	51.0
					8	Problem Solving, Crit Thinking, and Decision-Making	57.3
					9	Leadership and Teamwork	81.9
					10	Safety, Health, and Environmental	70.0
					11	Employability and Career Development	61.6
3425	Visual Comm and Interactive Media Design	Written	2,216	60.8	1	Safety	70.3
					2	Career Overview	56.6
					3	Computer Literacy	62.0
					4	Interactive Media	59.4
					5	Visual Literacy	71.9
					6	Conceptual Design Process	64.4
					7	Color Theory	55.7
					8	Typography	55.9
					9	Materials and Tools	48.3
		Perf	598	86.2	1	Create a Logo	88.9
					2	Create a Static Web Page	84.3
					3	Create a Business Card	82.6
2750	Web Design	Written	2,976	48.8	1	Internet Basics	57.5
					2	Programming/Markup/Scripting	41.8
					3	Editors	49.4
					4	Web Graphics	61.9
					5	Web Multimedia	42.2
					6	Web Marketing and Business Management	52.1
					7	Site Design	43.2
					8	Administration and Maintenance	47.7
		Perf	1,288	81.9	1	Create the Cascading Style Sheet (CSS)	85.8
					2	Create the Template	81.8
					3	Create the Home Page	82.9
					4	Create the Form Page	76.5
					5	Create the Content Pages	82.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4272	Welding	Written	3,549	56.5	1	Safety	67.4
					2	Physical Characteristics and Mechanical Properties of Metals	57.6
					3	Weld Fit-Up and Quality	59.4
					4	Welding Symbols and Blueprint Reading	60.3
					5	Oxyfuel Cutting (OFC)	53.1
					6	Arc Cutting Process (Carbon Arc and Plasma Arc)	52.3
					7	Shielded Metal Arc Welding (SMAW)	55.1
					8	Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding	49.6
					9	Gas Tungsten Arc Welding (GTAW)	54.1
		Perf	1,210	84.1	1	Oxyfuel Cutting	83.9
					2	SMAW V-Groove, 3G	77.4
					3	GMAW, 2F	90.7
					4	Aluminum GTAW Tee Joint, 2F	85.3
					5	Stainless Steel GTAW Lap Joint, 2F	86.5
					6	Uphill FCAW, 3F	84.0
2150	Wind Turbine Maintenance Technician	Written	30	52.9	1	Safety	55.2
					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	11,585	53.1	1	Communications	52.8
					2	Problem Solving and Critical Thinking	46.6
					3	Information Technology Applications	57.3
					4	Systems	54.0
					5	Safety, Health, and Environment	45.6
					6	Leadership and Teamwork	59.8
					7	Ethics and/or Legal Responsibilities	64.3
					8	Employability and/or Career Development	54.6
1350	Workplace Success Skills for Middle School	Written	23	54.5	1	Reading Skills	60.9
					2	Math Skills	47.1
					3	Writing Skills	49.1
					4	Speaking and Listening Skills	50.7
					5	Computer Applications and Digital Media	44.9
					6	Reasoning, Problem-Solving, and Decision Making	56.5
					7	Work Ethics	63.8
					8	Positive Attitude	60.9
					9	Independence and Initiative	63.8
					10	Self-Presentation	60.9
					11	Attendance	65.2
					12	Collaboration	54.3
					13	Personal Health and Wellness	65.2
					14	Personal Finance	58.7