

**Job Ready/Pathway Assessments - National Averages**  
**Post-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	189	82.3	1	Reading Skills	71.8
					2	Math Skills	73.1
					3	Writing Skills	83.8
					4	Speaking and Listening Skills	85.4
					5	Computer Applications and Digital Media	79.7
					6	Reasoning, Problem-Solving, and Decision Making	85.0
					7	Understanding the "Big Picture"	77.1
					8	Work Ethics	80.4
					9	Positive Attitude	91.0
					10	Independence and Initiative	85.3
					11	Self-Presentation	85.7
					12	Attendance	92.1
					13	Collaboration	83.7
					14	Personal Health and Wellness	95.2
					15	Entrepreneurship	81.1
					16	Personal Finance	71.0
4900	Accounting-Advanced	Written	1,323	70.6	1	Journalizing	72.9
					2	Posting	70.3
					3	Payroll Preparation	67.9
					4	Cash and Banking Procedures	73.3
					5	Merchandise Inventory	67.0
					6	Completion of Accounting Cycle	66.0
					7	Identification and Application of Source Data	78.0
					8	Mechanical and Electrical Accounting Devices	74.6
					9	Security	63.6
					10	Basic Accounting Knowledge	78.5
					11	Advanced Accounting Principles	70.9
		Perf	145	68.2	1	Journal Entries	68.3
					2	Posting Verification	60.6
					3	Payroll	84.5
					4	Complete Worksheet	68.7
					5	Financial Statements	62.4
					6	Ratio and Partial Horizontal Analysis	56.4
					7	Advanced Journal Entries	71.5

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4000	Accounting-Basic	Written	1,523	66.3	1	Journalizing	66.5
					2	Posting	65.6
					3	Payroll Preparation	62.5
					4	Cash and Banking Procedures	73.4
					5	Merchandise Inventory	62.0
					6	Completion of Accounting Cycle	60.8
					7	Identification and Application of Source Data	75.0
					8	Mechanical and Electrical Accounting Devices	76.8
					9	Security	59.0
					10	Basic Accounting Knowledge	74.0
		Perf	53	59.3	1	Identification of Account Balances	65.0
					2	Journal Entries	56.3
					3	Posting Verification	56.5
					4	Banking	70.3
					5	Payroll	67.1
					6	Complete Worksheet	68.4
					7	Financial Statements	46.9
4101	Administrative Assisting	Written	1,953	76.2	1	Computer Applications	78.7
					2	Working in an Office Environment	81.8
					3	Records Management	72.3
					4	Office Procedures	77.3
					5	Accounting and Computational Skills	67.4
		Perf	248	83.0	1	Business Writing - Memo Preparation	85.1
					2	Document Processing	76.0
					3	Preparing a Spreadsheet	83.6
					4	Creating a Chart	89.2
					5	Creating a Flyer	92.2

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1205	Administrative Services	Written	48	77.2	1	Business Management Technical Skills	66.8
					2	Administrative Services	71.6
					3	Academic Foundations	77.2
					4	Systems	87.8
					5	Ethics and Legal Responsibilities	90.6
					6	Communications	81.2
					7	Information Technology Applications	78.9
					8	Problem Solving, Critical Thinking, and Decision Making	70.5
					9	Leadership and Teamwork	83.6
					10	Safety, Health, and Environmental	87.2
					11	Employability and Career Development	80.0
4119	Advertising and Design	Written	77	68.2	1	Computer Literacy	70.2
					2	Typography	64.7
					3	Digital Literacy and Application	66.5
					4	Color Theory and Application	76.3
					5	Digital Illustration and Drawing	66.2
					6	Photography	66.1
					7	Production and Printing	63.0
					8	Communication and Career Skills	79.4
					9	Work Environment	63.0
					10	Multimedia	74.3
					11	Digital Image Manipulation	61.4
		Perf	46	91.7	1	Design: Computer Comprehensive-Prepare and Print Files	91.7
					2	Layout: Redesign	91.7
1229	Agricultural Biotechnology	Written	32	78.0	1	Technical Skills	67.0
					2	Academic Foundations	76.8
					3	Systems	88.0
					4	Ethics and Legal Responsibilities	85.7
					5	Communications	79.0
					6	Information Technology Applications	76.6
					7	Problem Solving, Critical Thinking, and Decision-Making	84.4
					8	Leadership and Teamwork	93.3
					9	Safety, Health, and Environmental	76.6
					10	Employability and Career Development	93.3
					11	Agricultural Biotechnology	69.4

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
2102	Agriculture Mechanics	Written	31	52.7	1	Safety	56.5
					2	Welding and Mechanics	42.9
					3	Power and Machinery	58.1
					4	Electrical Power and Process	52.1
					5	Agricultural Structures	52.2
					6	Agribusiness	62.5
					7	Environmental and Natural Resource Systems	40.9
					8	Careers in Agriculture Mechanics	48.4
		Perf	No data available				
1227	Animal Systems	Written	66	78.7	1	Technical Skills	68.0
					2	Academic Foundations	76.3
					3	Systems	87.9
					4	Ethics and Legal Responsibilities	83.3
					5	Communication	79.5
					6	Information Technology Applications	81.1
					7	Problem Solving, Critical Thinking, and Decision-Making	85.6
					8	Leadership and Teamwork	90.5
					9	Safety, Health, and Environmental	76.2
					10	Employability and Career Development	89.8
					11	Animal Science	74.0
3018	Apparel & Textiles Prod & Merchandising	Written	17	59.6	1	Garment Construction	57.5
					2	Finished Garment Alterations	57.0
					3	Textiles	59.1
					4	Applied Mathematics	51.2
					5	Design and Patternmaking	45.1
					6	Industrial and Domestic Apparel Manufacturing	74.1
					7	Apparel Technology	72.2
					8	Apparel and Textile Merchandising	59.4
					9	Career Opportunities	59.5

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4004	Architectural Drafting	Written	197	65.1	1	Preparing To Draw	70.1
					2	Geometric Construction	73.9
					3	Applied Mathematics	65.7
					4	Drawing Techniques - Supplementary Views	57.2
					5	Planning	64.7
					6	Architectural Drawing Types	65.1
					7	Site Plans	66.8
					8	Structural Drawings	65.9
					9	Mechanical and Electrical Systems	58.5
					10	Supplemental Drafting Activities	70.2
					11	Specifications	58.0
					12	Sustainable Architecture and Design	58.2
		Perf	24	40.5	1	Architectural Symbols and Abbreviations	43.2
					2	Elevation	38.4
					3	Kitchen and Bath Floor Plan	41.0
3005	Audio-Visual Communications	Written	41	57.8	1	Photography	54.9
					2	Computer Based Technology	56.2
					3	Audio and Video Production	58.2
					4	Creative Development	57.5
					5	Visual Design	53.1
					6	Project Management	60.2
					7	Equipment Operation, Maintenance, and Troubleshooting	52.6
					8	Network Technology	63.9
					9	Related Information	80.5
		Perf	No data available				
4008	Automotive Technician-Advanced	Written	1,161	67.1	1	Customer Relations and Shop Procedures	73.0
					2	Engine Repair	72.8
					3	Automatic Transmission/Transaxle	71.2
					4	Manual Drive Train and Axles	63.2
					5	Suspension and Steering	68.2
					6	Brakes	66.9
					7	Electrical/Electronic Systems	63.0
					8	Heating and Air Conditioning	61.8
					9	Engine Performance	68.2

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4008	Automotive Technician-Advanced	Perf	55	83.6	1	Identification of Parts	70.1
					2	Disc Brake Assembly Service	86.9
					3	Tire Service and Balance	88.5
					4	Cylinder Head Service	69.6
					5	Perform Fuel System Pressure Test	89.2
					6	Windshield Washer Circuit Inoperative	86.3
					7	Test & Diagnose Battery, Starting, & Charging Sys	82.8
					8	Test Electronic Engine Control Components	92.0
4309	Automotive Technician-Core	Written	167	64.4	1	Engine Repair	65.9
					2	Automatic Transmission and Transaxle	68.0
					3	Manual Drive Train and Axles	56.9
					4	Suspension and Steering	68.3
					5	Brakes	70.4
					6	Electrical and Electronic Systems	66.4
					7	Heating and Air Conditioning	61.0
					8	Engine Performance	59.1
					9	Customer Relations and Shop Procedures	70.4
		Perf	10	79.4	1	Brakes: Disc Brake Assembly Service	71.2
					2	Electrical/Electronic Systems: Test and Diagnose Battery, Starting	79.1
					3	Engine Performance: Test Electronic Engine Control Component	81.4
					4	Suspension and Steering: Tire Service and Balance	94.0
1096	Banking and Related Services	Written	32	78.1	1	Cluster Technical Skills - Finance	69.9
					2	Technical Skills - Banking and Related Services	76.4
					3	Academic Foundations	69.4
					4	Systems	79.4
					5	Ethics and Legal Responsibilities	81.3
					6	Communication	80.8
					7	Information Technology Applications	80.5
					8	Problem Solving, Critical Thinking, and Decision Making	78.8
					9	Leadership and Teamwork	95.3
					10	Safety, Health and Environmental	80.2
					11	Employability and Career Development	94.5
4075	Biotechnology	No data available					
1106	Broadcasting and Journalism	No data available					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4011	Building Construction Occupations	Written	15	74.6	1	Safety and General Knowledge	86.7
					2	Carpentry	77.4
					3	Masonry	67.9
					4	Electrical	47.9
					5	Plumbing	59.3
					6	Energy Efficiency	83.9
					7	Blueprints, Building Layout, and Site Layout	75.6
		Perf	No data available				
4012	Building Trades Maintenance	Written	133	59.1	1	Safety	66.1
					2	Tools and Materials	57.4
					3	Carpentry	55.3
					4	Painting and Wall Covering	54.5
					5	Masonry	59.0
					6	Electrical	53.6
					7	Plumbing	73.4
					8	General Maintenance	49.4
					9	Grounds and Equipment Maintenance	61.5
					10	HVAC (Heating, Ventilation, and Air Conditioning)	61.0
1095	Business Financial Management	Perf	86	94.1	1	Carpentry: Construct Frame	89.5
					2	Plumbing: Sweat Piping	96.9
					3	Electricity: Rough Wiring	95.3
					4	Drywall	94.1
					5	Electricity: Finish Wiring	98.6
1095	Business Financial Management	Written	23	76.7	1	Cluster Technical Skills - Finance	75.5
					2	Technical Skills - Business Financial Management	70.7
					3	Academic Foundations	72.7
					4	Systems	76.5
					5	Ethics and Legal Responsibilities	77.5
					6	Communication	77.6
					7	Information Technology Applications	72.8
					8	Problem Solving, Critical Thinking, and Decision Making	78.7
					9	Leadership and Teamwork	92.8
					10	Safety, Health and Environmental	79.0
					11	Employability and Career Development	96.7

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4013	Business Information Processing	Written	247	73.6	1	Computer Concepts and Applications	75.0
					2	Internet Operations	74.4
					3	Computer Operations	75.1
					4	Reporting and Data Management	77.7
					5	Business Software Applications	79.0
					6	Business Math	62.4
					7	Communications	73.3
					8	Office Environment Safety	69.9
		Perf	31	76.9	1	File Management	77.1
					2	Spreadsheet	70.4
					3	Word Processing: Create and Format	80.0
					4	Word Processing: Table Creation	74.1
					5	Presentations	93.1
		3014	Cabinetmaking	Written	203	71.8	1
2	Design and Layout						68.9
3	Estimating and Measuring						69.4
4	Hand and Portable Power Tools						74.1
5	Stationary Saws						65.9
6	Boring Machines						77.1
7	Milling						68.8
8	Assembly						73.7
9	Finishing						75.9
10	Installation						66.7
Perf	No data available						
4973	CAD	Written	656	68.2	1	Identify Hardware and Operating Systems	71.2
					2	Use Hardware and Operating Systems	81.9
					3	Interpret and Read Blueprints	68.6
					4	Create and Manipulate Mechanical Drawing Information	66.6
					5	Draw and Design Assemblies	77.9
					6	Use 3-D Modeling	59.3
		Perf	70	86.3	1	Create a 2-D Orthographic Drawing with a section view	84.0
2	Create a 3-D Solid Model				92.2		
3	Create two parts to be mated and mate the parts				84.4		
3073	CAD-CAM	No data available					



Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1100	Career Skills	Written	129	53.6	1	Communications	56.0
					2	Problem Solving and Critical Thinking	36.9
					3	Information Technology Applications	70.5
					4	Systems	45.2
					5	Safety, Health and Environment	51.6
					6	Leadership, Management and Teamwork	67.1
					7	Ethics and/or Legal Responsibilities	59.3
					8	Employability and/or Career Development	51.3
4115	Carpentry	Written	477	66.6	1	Safety	75.2
					2	Tools and Accessories	77.6
					3	Blueprint Reading and Estimation Skills	63.2
					4	Foundations, Forms, and Concrete	64.1
					5	Rough Framing	65.9
					6	Exterior Finish	66.4
					7	Interior Systems Installation	63.0
					8	Interior Finish	56.1
					9	Carpentry-Related Mathematics	67.6
		Perf	96	85.6	1	Tool and Material Identification	88.4
					2	Square Layout	86.2
					3	Establish a Starting Course for Vinyl Siding Using a Builder's Level	89.6
					4	Blueprint Reading/Sole Plate Layout	83.8
					5	Rafter Layout	85.8
					6	Stairway Stringer	80.3
			7	Interior Frame	85.6		
4106	Collision Repair	Written	130	71.5	1	Safety	78.5
					2	Business Fundamentals	79.8
					3	MIG/GMAW and STRSW	59.6
					4	Structural	69.7
					5	Non-Structural	72.3
					6	Mechanical and Electrical Systems	72.2
		Perf	No data available				

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg	
3183	Collision Repair and Refinishing Technology	Written	47	67.5	1	Safety	72.4	
					2	Business Fundamentals	72.6	
					3	MIG/GMAW and STRSW	58.9	
					4	Structural	62.1	
					5	Non-Structural	67.0	
					6	Mechanical and Electrical Systems	70.2	
					7	Painting and Refinishing	70.5	
					Perf	No data available		
		4020	Commercial Foods	Written	263	75.9	1	Safety
2	Sanitation						80.4	
3	Culinary Career Overview						79.2	
4	Culinary Techniques						78.0	
5	Recipes and Culinary Math						60.7	
6	Purchasing and Management Skills						72.6	
7	Menu Design and Nutrition						67.5	
8	Customer and Table Service						74.7	
9	Culinary Equipment						81.2	
Perf	39			80.1	1	Identification of Hand Tools, Herbs, Spices, and Flavorings	83.9	
			2	Knife skills	80.1			
			3	Cooking skills	79.5			
4514	Computer Networking Fundamentals	Written	158	65.8	1	PC Principles	72.3	
					2	Network Connections	75.4	
					3	Physical Connection Types	67.0	
					4	Network Standards and Devices	61.5	
					5	Network Troubleshooting	62.9	
					6	Routing and Switching	65.0	
					7	Network Terminology	60.9	
					8	Network Architecture	68.2	
					9	Network Addressing	66.0	
					10	Security	68.0	
					11	Network Planning and Design	61.2	
		Perf	39	92.8	1	Select and Connect Equipment to Set Up a Simple LAN with Two	93.8	
			2	Set Up a Workgroup, Create Users, Create Shares, and Install a P	92.2			

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4023	Computer Programming	Written	246	68.4	1	Analyze Programming Problems and Flowchart Solutions	64.3
					2	Design Program Solutions	72.4
					3	Code Programs	68.4
					4	Test Programs	62.1
					5	Maintain Programs	68.3
					6	Complete User Documentation and Technical Writing	66.9
					7	General Information and Concepts	73.0
		Perf	23	62.8	1	Write a program	55.7
					2	Design Solution Logic	73.7
4515	Computer Repair Technology	Written	49	71.5	1	Safety	80.4
					2	Installing, Configuring, and Upgrading	63.6
					3	Diagnosing and Troubleshooting	68.4
					4	Preventive Maintenance	78.8
					5	System Boards, Storage, Processors, and Memory	58.7
					6	Input-Output (I/O) Devices	78.7
					7	Printing	69.6
					8	Basic Networking	68.8
					9	Security	91.1
					10	Customer Support and Ethics	74.1
		Perf	14	86.3	1	Device Identification	67.9
					2	Installing New Hardware/Troubleshooting	92.4
					3	Network Connectivity	89.0
4122	Computer Technology	Written	768	74.3	1	Professional Standards, Ethics, and Business Practices	82.7
					2	General Computer Knowledge and Concepts	72.6
					3	PC (Personal Computer) Hardware Knowledge	64.0
					4	PC (Personal Computer) Software Knowledge	85.0
					5	Networking and Data Communications	66.7
					6	Security	81.4
		Perf				No data available	

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1128	Construction	Written	27	56.0	1	Technical Skills	37.6
					2	Academic Foundations	62.7
					3	Systems	41.4
					4	Ethics and Legal Responsibilities	49.4
					5	Communications	55.6
					6	Information Technology Applications	46.7
					7	Problem Solving, Critical Thinking, and Decision Making	64.0
					8	Leadership and Teamwork	66.7
					9	Safety, Health, and Environmental	73.6
					10	Employability and Career Development	71.6
					11	Construction	51.6
4025	Construction Masonry-Block	No data available					
4125	Construction Masonry-Brick	Written	60	72.5	1	Safety	75.9
					2	Craft Knowledge	86.7
					3	Hand and Power Tools	80.6
					4	Materials	78.9
					5	Blueprints and Specifications	68.9
					6	Project Layout	68.2
					7	Brick	74.1
					8	Fireplaces and Chimneys	70.4
					9	Flashing, Weeps, and Insulation	66.8
					10	Math and Measurements	52.6
					11	Masonry Structure Maintenance	65.7
					12	Professionalism	91.7
				Perf	No data available		
4082	Cosmetology	Written	104	73.8	1	Safety and Sanitation	76.2
					2	Scientific Concepts	69.1
					3	Salon-Related Business Skills	85.5
					4	Physical Services	75.9
					5	Chemical Services	70.7
					6	Hair Designing	69.6
				Perf	No data available		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4181	Criminal Justice	Written	116	74.6	1	Crime Scene Management	71.3
					2	Use of Force	77.7
					3	Criminal Law and Procedures	73.8
					4	Court System	71.7
					5	Health and Safety	66.5
					6	Police Concepts and Skills	75.2
					7	Corrections	70.5
					8	Communication	82.5
					9	Security: National, International, and Private	77.6
					10	Understand and Work with Special Populations	74.3
		Perf	24	86.2	1	Comprehensive Skills	94.3
					2	Prepare Chicken Florentine with Tomato Concasse	75.0
					3	Prepare Rice Pilaf	99.5
					4	Prepare Steamed Green vegetables	81.3
1890	Criminal Justice Advanced	Written	691	69.0	1	Criminal Justice Systems	70.5
					2	Criminal Justice Procedures	76.9
					3	Crime Scene Investigation and Evidence Handling	68.1
					4	Interview and Interrogation	65.9
					5	Criminal Law and Courtroom Procedures	63.5
					6	Issues and Ethics in Criminal Justice	73.2
4236	Culinary Arts Level 1 Prep Cook	Written	1,200	80.7	1	Recipes	80.7
					2	Knife Skills	78.9
					3	Large and Small Equipment	78.3
					4	Sanitation and Safety	86.8
					5	Cold Food Preparation	85.3
					6	Fruits, Vegetables, and Starches	70.5
					7	Bakery Products	80.1
					8	Stocks, Sauces, and Hot Soups	79.5
					9	Meats, Poultry, Fish and Seafood	79.4
					10	Breakfast Foods	84.4
					11	Dairy Products and Alternatives	80.7
					12	Receiving and Storage	76.3
					13	Nutritional Values	83.3
					14	Employability Skills	80.0

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4236	Culinary Arts Level 1 Prep Cook	Perf	155	79.1	1	Comprehensive Skills	81.5
					2	Identification of Kitchen Equipment	75.4
					3	Identification of herbs, spices, fruits, and vegetables	72.3
					4	Knife sharpening: stone and steel	79.1
					5	Mise En Place	77.2
					6	Prepare Chef Salad with Vinaigrette Dressing	82.2
					7	Prepare Cheese Omelet	77.8
4336	Culinary Arts Level 2 Cook	Written	744	77.2	1	Recipes	82.5
					2	Knife Skills	79.4
					3	Large and Small Equipment	78.3
					4	Sanitation and Safety	85.9
					5	Cold Food Preparation	77.8
					6	Fruits, Vegetables, and Starches	69.9
					7	Bakery Products	73.3
					8	Stocks, Sauces, and Hot Soups	71.6
					9	Meats, Poultry, Fish and Seafood	77.3
					10	Breakfast Foods	77.1
					11	Dairy Products and Alternatives	74.7
					12	Receiving and Storage	74.9
					13	Nutritional Values	79.7
					14	Management and Employability Skills	78.2
					15	Customer Service	78.6
		Perf	185	83.4	1	Comprehensive Skills	86.4
					2	Prepare Chicken Florentine with Tomato Concasse	83.1
					3	Prepare Rice Pilaf	82.9
					4	Prepare Steamed Green vegetables	81.5
					5	Prepare Apple Crostata with Crème Anglaise	83.4
4126	Dental Assisting	Written	698	73.8	1	Introduction to the Dental Assisting Profession	80.7
					2	Communication Skills	84.6
					3	Infection Control and Hazard Management	73.4
					4	Clinical Procedures	72.1
					5	Radiological and Digital Imaging Procedures	75.1
					6	Clerical Functions	76.8
					7	Dental Sciences	64.8

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg	
4126	Dental Assisting	Perf	128	96.8	1	Prepare Instruments for Autoclaving	97.7	
					2	Assemble Equipment to Expose Radiographic Film	96.2	
					3	Mount Full Series Radiographs	95.9	
					4	Assemble and Disassemble Aspirating Syringe	98.2	
					5	Take a Single Mandibular Alginate Impression	96.5	
					6	Prepare Class III (Anterior) Composite Instrument Tray	95.2	
1127	Design and Pre-Construction	No data available						
1186	Diagnostic Services	No data available						
4127	Diesel Technology	Written	308	65.8	1	Safety	75.3	
					2	Shop Practices, Tools, and Equipment	71.0	
					3	Diesel Engines	71.4	
					4	Suspension and Steering	66.1	
					5	Brakes	53.2	
					6	Electrical and Electronic Systems	65.0	
					7	Drivetrains	62.2	
					8	Preventive Maintenance	59.5	
		Perf	22	97.6	1	Cylinder Liner Installation	98.3	
					2	Perform a Wheel Bearing Adjustment and Brake Stroke Measure	94.9	
					3	Check and Adjust Rocker Lever Clearance	98.8	
					4	Perform a Coolant System Inspection	97.6	
					5	Electrical Testing	98.7	
1236	Early Childhood Development and Services	No data available						

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	1,661	84.1	1	Health and Safety	90.2
					2	Cognitive Development	74.9
					3	Language Development and Communication	86.2
					4	Physical Development	81.4
					5	Social and Emotional Development	84.8
					6	Community and Family Relationships	93.5
					7	Observation, Documentation, and Assessment	80.5
					8	Professionalism	87.5
					9	Classroom Organization and Arrangement	84.4
					10	Creativity	88.1
					11	Diversity in the Classroom	81.6
					12	Inclusion of Children with Special Needs	74.6
					13	Positive Guidance Techniques and Reinforcement	89.9
		Perf	21	81.6	1	Curriculum Planning	77.1
					2	Small Group Teaching	85.8
					3	Arrange a Room	77.7
4016	Early Childhood Education and Care-Basic	Written	1,993	83.9	1	Health and Safety	88.8
					2	Cognitive Development	78.4
					3	Language Development and Communication	84.1
					4	Physical Development	78.2
					5	Social and Emotional Development	83.7
					6	Community and Family Relationships	90.4
					7	Observation, Documentation, and Assessment	83.3
					8	Professionalism	84.4
					9	Classroom Organization and Arrangement	88.1
					10	Creativity	86.2
					11	Diversity in the Classroom	80.1
					12	Inclusion of Children with Special Needs	73.1
					13	Positive Guidance Techniques and Reinforcement	85.9
		Perf	16	82.3	1	Demonstrate Washing of Caregiver's Hands	85.6
					2	Introduction Activity	83.8
					3	Story Presentation	82.5
			4	Gross Motor Stretching Activity	81.9		
			5	Closure Activity	75.8		



Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1125	Education and Training	Written	44	74.8	1	General Education Technical Skills	78.4
					2	Teaching and Training Technical Skills	75.1
					3	Academic Foundations	63.6
					4	Systems	79.5
					5	Ethics and Legal Responsibilities	72.7
					6	Communications	73.0
					7	Information Technology Applications	73.1
					8	Problem Solving and Critical Thinking	70.0
					9	Leadership and Teamwork	85.8
					10	Safety, Health, and Environmental	71.5
					11	Employability and Career Development	80.8
2039	Electric Power and Distribution	Written	453	70.2	1	Maintain a Safe Work Environment	81.6
					2	Perform Job Site Planning Activities	71.0
					3	Climbing Skills	85.6
					4	Pole Framing and Construction Specifications	62.7
					5	Equipment Operation	56.2
					6	Setting and Replacing Poles	78.6
					7	Transformer Installation	78.8
					8	Service Installation and Metering	72.9
					9	Conductor Installation and Repair	76.4
					10	Rubber Gloving Methods	69.8
					11	Underground Distribution	59.6
					12	Substations and Voltage Regulation	65.5
					13	Fusing and System Coordination	60.3
					14	Maintain Line Equipment and Tools	72.7
					15	Maintain Records/Documentation	63.9
					16	Problem Solving and Troubleshooting	74.3
		Perf	285	91.8	1	Hurtman Rescue Using A Handline	88.1
					2	Transformer Connections	85.7
					3	Material and Tool Identification	88.9
					4	Tool Identification and Use	95.4
					5	Knot Tying	93.2
					6	Truck Operation	97.0
					7	Meter Installation	87.2

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
4130	Electrical Construction Technology	Written	1,043	69.8	1	Introduction to the Electrical Construction Technology Career	82.9		
					2	OSHA Regulations and Electrical Safety Practices	70.0		
					3	Meters, Measurements, Testing	75.1		
					4	Identification and Selection of Tools, Materials, and Components	77.1		
					5	National Electrical Code (NEC)	69.8		
					6	Blueprints, Specifications, and Estimations	73.6		
					7	AC Theory, Magnetic Theory, and DC Theory	70.6		
					8	Circuit Theorems and Conversions	66.8		
					9	Wiring, Circuits, and Installation	65.4		
					10	Green and Renewable Technology	59.3		
					11	Transformers	68.3		
					12	Motors	60.9		
		Perf	302	86.8	1	Bend Conduit	86.4		
					2	Switching and GFCI Receptacle in a Residential Setting	85.2		
					3	Install Two Smoke Alarms in a Commercial Setting	90.2		
3029	Electrical Occupations	Written	933	69.5	1	Safety	73.0		
					2	Wiring Methods	67.2		
					3	Tools	92.1		
					4	Motors and Motor Controls	75.2		
					5	National Electrical Code	70.4		
					6	Blueprint Reading	74.7		
					7	Applied Mathematics	72.0		
					8	Alternating Current (AC)	63.1		
					9	Direct Current (DC)	48.7		
		Perf	130	91.1	1	Install Cable from Meter Base to Service Entrance Panel	91.5		
					2	Install GFCI Circuit Breaker in Existing 100 AMP Panel	93.3		
					3	Wire Lighting Control	89.8		
					4	Install Door Chimes	91.2		
		3034	Electronics	Written	321	64.7	1	Safety	81.2
							2	DC Circuits	70.9
3	AC Circuits						61.5		
4	Solid State Circuits						50.9		
5	Soldering and De-Soldering						59.4		
6	Use of Equipment						66.8		
7	Digital Theory						69.6		
8	Electronics-Related Mathematics						66.1		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
		Perf	17	73.7	1	IC Identification	90.6
					2	DC Circuit Construction and Analysis	67.7
					3	Power Supply Construction and Analysis	75.7
					4	De-Soldering and Soldering	92.7
					5	CE Amplifier Construction and Analysis	56.3
4035	Electronics Technology	Written	223	61.1	1	Safety Practices	69.8
					2	Fundamental Electrical Principles and Theory	65.3
					3	Digital Electronic Circuits	64.1
					4	Electronic Device Analysis and Applications	55.0
					5	Electronic Testing Equipment	71.2
					6	Direct Current (DC) Circuit Analysis	60.6
					7	Alternate Current (AC) Analysis	53.3
					8	Prototyping and Fabrication Techniques	53.0
					9	Careers in Electronics	66.8
		Perf				No data available	
1135	Emergency and Fire Management Services	Written	18	61.9	1	General Skills	55.1
					2	Academic Foundations	65.3
					3	Systems	53.7
					4	Ethics and Legal Responsibilities	53.5
					5	Communications	73.8
					6	Information Technology Applications	76.7
					7	Problem Solving, Critical Thinking, and Decision Making	54.0
					8	Leadership and Teamwork	55.6
					9	Safety, Health, and Environmental	66.2
					10	Employability and Career Development	62.5
					11	Emergency and Fire Management Services	62.4
1138	Emergency Medical Services					No data available	
1237	Family and Community Services					No data available	
4002	Fashion Merchandising					No data available	
1094	Financial and Investment Planning					No data available	

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
2120	Financial and Managerial Accounting	Written	264	72.3	1	Journalizing	71.9
					2	Cash and Banking Procedures	72.9
					3	Merchandise Inventory	73.4
					4	Financial Statements	66.7
					5	Competence in Technology	92.6
					6	Internal Control	79.4
					7	Basic Accounting Knowledge	79.0
					8	Advanced Accounting Practices	65.8
4049	Floriculture	No data available					
4949	Floriculture-Greenhouse	No data available					
3037	Forest Products and Processing	Written	82	55.9	1	Safety	79.0
					2	Logging, Harvesting	52.3
					3	Tree Identification	67.9
					4	Sawmill Operation	40.8
					5	Diesels and Hydraulics	53.7
					6	Chain Saws	53.4
					7	Silviculture and Forest Management	51.4
					8	Forest Ecology and Protection	59.7
					9	Surveying	52.8
					10	Timber Cruising	44.6
					11	Wildlife	58.4
					12	Business Management and Employability Skills	76.6
		Perf	No data available				
0177	Fundamentals of Construction	No data available					

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1203	General Management	Written	1,003	77.2	1	Business Management Technical Skills	66.1
					2	General Management	80.6
					3	Academic Foundations	75.8
					4	Systems	85.2
					5	Ethics and Legal Responsibilities	87.1
					6	Communications	74.4
					7	Information Technology Applications	77.7
					8	Problem Solving, Critical Thinking, and Decision Making	67.3
					9	Leadership and Teamwork	81.2
					10	Safety, Health, and Environmental	83.7
					11	Employability and Career Development	82.1
4242	Graphic Production Technology	Written	59	69.8	1	Introduction to Printing	71.9
					2	Electronic Publishing and Printing, Pre-Press, and Output	75.4
					3	Offset Press Operations	60.6
					4	Digital Operations	69.1
					5	Binding, Finishing, and Distribution Processes	63.5
					Perf	No data available	
4143	Health Assisting	Written	17	65.9	1	First Aid and General Safety	73.6
					2	Medical Terminology	65.1
					3	Body Systems	67.4
					4	Observation and Communication	61.2
					5	Documentation and Legal Issues of the Health Assisting Profession	76.1
					6	Health Assistant Skills	59.6
		Perf	16	95.4	1	Hand Washing and Personal Protective Equipment (PPE)	94.4
					2	Change a Patient Gown	98.8
					3	Measure Vital Signs, Height, and Weight	93.4
					4	Transfer Patient from Bed to Wheelchair	94.8

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
1187	Health Informatics	Written	1,629	83.4	1	General Health Sciences Technical Skills	81.5
					2	Academic Foundations	83.9
					3	Systems	91.1
					4	Ethics and Legal Responsibilities	85.4
					5	Communication	73.3
					6	Information Technology	89.3
					7	Problem Solving, Critical Thinking, and Decision Making	79.1
					8	Leadership and Teamwork	91.7
					9	Safety, Health, and Environment	75.3
					10	Employability and Career Development	93.5
					11	Health Informatics	83.5
3064	Heating, Ventilation, Air Cond., and Refrigeration	Written	963	60.8	1	Electricity	50.0
					2	Soldering, Brazing, and Welding	61.1
					3	Pipefitting	64.5
					4	Controls	56.7
					5	Installation and Service	58.4
					6	Related Math and Science	69.3
					7	Refrigeration	45.3
					8	Refrigerant Recovery	69.3
					9	General Safety	72.9
					10	Computer Literacy	66.5
					11	Employability Skills	82.4
		Perf	128	91.9	1	Gas Furnace Check and Start-Up	88.1
					2	Recover/Replace Refrigerant in a Refrig Sys	95.7

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	829	59.1	1	Electricity	48.6
					2	Soldering, Brazing, and Welding	61.6
					3	Pipefitting	67.7
					4	Controls	55.6
					5	Installation and Service	55.3
					6	Related Math and Science	66.2
					7	Refrigeration	46.4
					8	Refrigerant Recovery	70.4
					9	General Safety	73.3
					10	Computer Literacy	67.2
					11	Employability Skills	82.6
					12	Air Conditioning	57.3
					13	Heat Pumps and Electric Heat	61.5
					14	Hydronic Systems	62.7
					15	Forced Air, Gas, and Oil Units	65.2
					16	Humidity and Air Movement	47.0
					17	Sheet Metal and Ductwork	39.7
		Perf	370	89.4	1	Gas Furnace Check and Start-Up	90.2
					2	Air Conditioning	88.9
3046	Heavy Equipment Maintenance and Repair	Written	316	69.2	1	Maintain and Repair Engine	70.1
					2	Maintain and Repair Power Train	72.7
					3	Maintain and Repair Electrical System	70.6
					4	Maintain and Repair Brake System	60.6
					5	Welding	67.3
					6	Preventive Maintenance	77.1
					7	Maintain and Repair Hydraulic System	66.2
					8	General Shop Practices	73.9
					9	Air Conditioning	73.4
					10	Heavy Equipment Undercarriage	56.3
		Perf	32	82.5	1	Test Cooling System	96.1
					2	Electrical Testing	89.0
					3	Adjust Valve Clearance	96.9
					4	Set Carrier Ring and Pinion Backlash	88.3
					5	Identify Brake Components	95.0
					6	Measure and Adjust Track	59.2
					7	Cut and Weld Steel	55.2

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
4048	Home Health Aide	No data available					
4149	Horticulture-Landscaping	Written	583	73.8	1	General Knowledge	77.2
					2	Pest and Disease Management	74.9
					3	Fundamentals of Irrigation	80.8
					4	Basic Nursery/Greenhouse Skills	69.4
					5	Horticulture Business and Retailing	75.8
					6	Landscape Design	59.7
					7	Landscape Installation and Construction	66.6
					8	Landscape and Turf Maintenance	77.2
					9	Arboriculture	76.5
		Perf	11	26.5	1	Identify and Control Pests	27.6
					2	Identify Equipment Features	26.5
					3	Plant a Container-Grown Shrub	26.1
					4	Prune a Tree and an Evergreen Shrub	25.5
					5	Stake Out a Site Plan - Entrance Walkway	26.5
3079	Hospitality Management-Food and Beverage	Written	157	78.7	1	Introduction to the Hospitality Industry	83.4
					2	Guest Relations and Concierge	89.9
					3	Marketing and Sales	78.4
					4	Safety and Security	80.3
					5	Opening and Settling Financial Transactions	72.3
					6	Travel and Tourism	75.2
					7	Legal and Ethical Responsibilities	84.9
					8	Restaurant Management	76.7
					9	Food and Beverage Service	72.4
		Perf	No data available				
3080	Hospitality Management-Lodging	Written	111	77.3	1	Introduction to the Hospitality Industry	84.0
					2	Guest Relations and Concierge	90.2
					3	Marketing and Sales	78.2
					4	Safety and Security	75.7
					5	Opening and Settling Financial Transactions	69.1
					6	Travel and Tourism	86.2
					7	Legal and Ethical Responsibilities	88.2
					8	Housekeeping Management	70.8
					9	Front Office Procedures	72.1



Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
3080	Hospitality Management-Lodging	Perf	13	85.0	1	Folio and Form Completion	78.5
					2	Customer relations role play	79.2
					3	Pricing Menu Items	98.6
					4	Complete a Banquet Event Order Contract Form	81.2
					5	Set up continental breakfast buffet table	96.3
1204	Human Resources Management	Written	18	79.2	1	Business Management Technical Skills	67.0
					2	Human Resources Management	81.4
					3	Academic Foundations	77.8
					4	Systems	89.8
					5	Ethics and Legal Responsibilities	89.8
					6	Communications	80.2
					7	Information Technology Applications	78.9
					8	Problem Solving, Critical Thinking, and Decision Making	68.3
					9	Leadership and Teamwork	86.5
					10	Safety, Health, and Environmental	86.1
					11	Employability and Career Development	84.4
2111	HVACR-Installation and Start-up	No data available					
2110	HVACR-Service and Repair	Written	38	51.4	1	OSHA Guidelines and General Safety	69.4
					2	Related Math, Building Science, Blueprints, and Tools	53.2
					3	Electricity	53.1
					4	Pipe Fitting, Soldering, and Brazing	61.5
					5	Airflow and Ductwork	44.0
					6	Warm Air Systems	47.7
					7	Hydronic Systems	30.7
					8	Air Conditioning - Residential	47.2
					9	Heat Pumps, Electric Heat	42.1
					10	Refrigeration	44.5
			Perf	No data available			

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2050	Industrial Electricity	Written	1,767	55.1	1	DC Theory	60.4
					2	AC Theory	49.3
					3	Test Equipment	77.0
					4	Electrical Drawings	67.4
					5	General Wiring	45.7
					6	National Electrical Code	50.0
					7	Electrical Controls	55.4
					8	Generators	62.3
					9	Motors	47.2
					10	Transformers	53.4
					11	Variable Frequency Drives (VFDs)	54.8
					12	Programmable Logic Controllers (PLCs)	47.7
					13	Safety	57.4
		Perf	28	89.9	1	Tools and Materials Identification	88.6
					2	Conduit Bending	89.5
					3	Wiring a Motor Starter	90.5
					4	Replacing Ballast in a Fluorescent Fixture	90.2
2051	Industrial Electronics	Written	796	54.3	1	DC Electricity	58.1
					2	AC Circuits	48.0
					3	Test Equipment	56.0
					4	Semiconductors	48.5
					5	Electronic Circuits	43.1
					6	Digital/Micro	52.6
					7	Transducers	59.0
					8	Ladder Logic and Motors	38.5
					9	Safety	72.0
					10	Programmable Logic Controllers	79.4
		Perf	94	88.7	1	Semiconductor Testing	86.3
					2	Solder/Desoldering Components	97.8
					3	Meter Usage	84.1
					4	Circuit Construction	94.4
					5	Oscilloscope Usage	80.6
					6	Troubleshooting	89.1
					7	Gate Substitution	78.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2074	Industrial Maintenance Mechanics	Written	789	56.2	1	Machinery and Equipment	63.7
					2	Tools and Safety	68.7
					3	Electronics and Electrical Principles	62.0
					4	Hydraulics and Pneumatics	57.9
					5	Motors and Motor Controls	43.5
					6	Mechanism Drives	41.7
					7	Industrial Robotics Systems	52.5
					8	Blueprints and Schematics	54.9
		Perf	26	54.4	1	Connect and Operate a Circuit	31.6
					2	Assemble a Multiple Shaft Gear Drive System	30.8
					3	Read and interpret an Industrial Blueprint	66.1
					4	Troubleshoot an Electrical Control System	85.7
1131	Information Support and Services	Written	16	74.5	1	Information Technology Applications	69.1
					2	Academic Foundations	69.3
					3	Systems	74.5
					4	Ethics and Legal Responsibilities	83.3
					5	Communications	67.1
					6	Problem Solving, Critical Thinking, and Decision Making	74.0
					7	Leadership and Teamwork	83.8
					8	Safety, Health, and Environmental	77.8
					9	Employability and Career Development	75.0
					10	Information Support and Services	78.0
1132	Interactive Media	No data available					
1032	Interior Decorating and Design	Written	36	77.6	1	Safety and Environmental Issues	82.9
					2	Elements and Principles of Design	76.1
					3	Textiles, Fibers, and Fabrics	65.1
					4	Interior Materials and Products	73.4
					5	Furnishings and Accessories	77.6
					6	Art Periods and Design Styles	60.6
					7	Visual Presentation	80.3
					8	Technical Knowledge	74.2
					9	Retail Operation Procedures	86.0
					10	Marketing Skills	85.0
					11	Housing Issues	81.9

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1137	Legal Services	Written	137	72.2	1	General Skills	65.4
					2	Academic Foundations	76.9
					3	Systems	74.2
					4	Ethics and Legal Responsibilities	67.6
					5	Communications	84.8
					6	Information Technology Applications	80.4
					7	Problem Solving, Critical Thinking, and Decision Making	71.5
					8	Leadership and Teamwork	72.3
					9	Safety, Health, and Environment	70.9
					10	Employability and Career Development	84.9
					11	Legal Services	65.9
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1287	Lodging	No data available					
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2071	Logistics Technology/Distribution Center Services	Written	53	74.6	1	Operations/Safety and Ergonomics	83.7
					2	Operations/Inventory Management	71.0
					3	Operations/Procurement	74.5
					4	Operations/Receiving	69.9
					5	Operations/Putaway	89.1
					6	Operations/Picking (Order Selection)	55.3
					7	Operations/Packing	77.4
					8	Operations/Shipping	78.4
					9	Operations/Material Handling Equipment	61.7
					10	Operations/Technology	76.2
					11	Customer Relations/Direct Comm with Customers	90.6
					12	Customer Relations/Customer Requirement Analysis	79.9
					13	Logistics/Supply Chain Management	78.2
					14	Logistics/Industry Trends and Current Topics	98.1
		Perf	17	96.0	1	Inventory Control/Cycle Count	92.5
					2	Material Handling Equipment	96.4
					3	Receiving	99.2
					4	Order Fulfillment Process	98.7
					5	Bill of Lading	90.2
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1129	Maintenance Operations	No data available					
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Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2084	Manufacturing Technology	Written	125	63.7	1	Manufacturing Math, Science, and Measurement	65.2
					2	Workplace Safety, Health, and Job Skills	76.3
					3	Quality Assurance	66.0
					4	Blueprint Reading	62.0
					5	Manufacturing Fund, Processes & Materials	63.3
					6	Material Handling	76.2
					7	Industrial Robotics Systems	50.3
					8	Computer Use	68.5
					9	Process Control	65.8
					10	Purchasing and Resource Identification Activities	63.1
					11	Electronics and Hydraulics	48.4
					12	Design Processes	60.0
		Perf	23	77.1	1	Milling Operations	79.8
					2	Assemble A Multiple Shaft Gear Drive System	66.9
					3	Determine Gage Block Combinations	86.2
4038	Mechanical Drafting and Design	Written	82	79.2	1	Preparing to Draw: Basic Drawing and Dimensioning Skills	81.5
					2	Applied Mathematics	82.7
					3	Identify Measurements	76.8
					4	Geometric Construction	81.0
					5	Engineering Drawings	81.2
					6	Multiview Drawings	71.6
					7	Section Views	69.0
					8	Auxiliary Views	67.5
					9	Dimensioning Skills	83.4
		Perf	No data available				
2040	Mechatronics-Level 1	Written	157	69.6	1	Introduction to Mechatronics: Safety	73.0
					2	Introduction to Mechatronics: Communication	75.5
					3	Instrumentation and Measurement	70.5
					4	Electrical	64.2
					5	Mechanical	73.0
					6	Hydraulic and Pneumatic Systems	76.1
					7	Computer and Control Systems	59.5

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
4355	Medical Assisting	Written	66	81.0	1	Medical Office Procedures	78.1		
					2	Foundations of Health Care	78.0		
					3	General Laboratory Procedures and Diagnostic Testing	76.3		
					4	Clinical Practices and Patient Care	84.1		
					5	Medical Assisting Safety	75.8		
					6	Patient Instruction	82.8		
					7	Medical Law and Ethics for Health Care	84.3		
		Perf	17	92.8	1	Infant Length, Weight, and Head Circumference	92.1		
					2	Apply and Remove Sterile Gloves	97.1		
					3	Capillary Puncture (Simulation)	91.1		
					4	Electrocardiogram	93.3		
					5	Blood Pressure and Pulse Measurement	92.0		
		1228	Natural Resources Systems	Written	24	63.0	1	Technical Skills	60.2
							2	Academic Foundations	60.4
3	Systems						77.8		
4	Ethics and Legal Responsibilities						72.6		
5	Communications						58.0		
6	Information Technology Applications						63.2		
7	Problem Solving, Critical Thinking, and Decision-Making						68.8		
8	Leadership and Teamwork						69.6		
9	Safety, Health, and Environmental						60.8		
10	Employability and Career Development						72.0		
11	Natural Resources						56.5		
1130	Network Systems	No data available							
4158	Nursing Assisting	Written	767	77.3	1	Basic Nursing Assisting Skills	75.5		
					2	Infection Control	67.0		
					3	Communication Skills	73.6		
					4	Personal Care Skills	82.3		
					5	Mental Health and Social Service Needs	83.9		
					6	Ethics, Rights, and Legal Responsibilities	82.6		
					7	Basic Restorative Devices	75.8		
					8	Employability Skills	77.6		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4158	Nursing Assisting	Perf	41	85.3	1	Obtain and Record Standard Vital Signs	92.3
					2	Apply and Remove Personal Protective Equipment	88.4
					3	Demonstrate Wheelchair Assistance	89.5
					4	Make an Occupied Bed	93.8
					5	Provide a Modified Bed Bath for an Adult Female Patient	73.8
1107	Performing Arts	No data available					
1238	Personal Care Services	No data available					
4061	Plumbing	Written	754	73.5	1	Safety	76.3
					2	Plumbing Math	66.0
					3	General Plumbing Practices	76.8
					4	Joining Pipes and Fittings	76.4
					5	Drainage	72.1
					6	Vent Installation	67.6
					7	Water Supply and Distribution	79.3
					8	Hot Water Systems	76.8
					9	Traps	69.6
					10	Installing Fixtures	71.6
					11	Plumbing Service and Repair	69.0
					4061	Plumbing	Perf
2	Install and Prepare to Leak Test a Water Supply System	93.1					
4162	Practical Nursing	Written	17	78.4	1	Communication and Employability	87.4
					2	Legal and Ethical Responsibilities	89.0
					3	Anatomy, Physiology, and Pathophysiology	66.0
					4	Patient Care Skills	76.2
					5	Administer Medication	66.7
					6	Infection Control	81.2
					7	Psychological Support	84.9
					8	Supervised Management Functions	84.2

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4152	Precision Machining	Written	302	73.8	1	Organization and Shop Safety Practices	84.8
					2	Measurement and Inspection	74.9
					3	Metallurgical Processes and Heat Treating	79.6
					4	Blueprint Interpretation and Process Planning	72.6
					5	Layout and Benchwork	68.9
					6	Band Saw Machines	72.3
					7	Lathes	74.7
					8	Milling Machines	66.0
					9	Surface Grinding	67.7
					10	Computer Numerical Control (CNC) Programming, Preparation, C	78.7
					11	Drill Press	77.3
		Perf	22	60.8	1	Milling Operations	63.6
					2	Lathe Operations	57.2
2475	Pre-Engineering/Engineering Technology	Written	606	69.3	1	Overview of Engineering	80.8
					2	Design Process/Problem Solving	78.2
					3	Manufacturing	64.9
					4	Assembly and Fabrication	69.8
					5	Materials	69.6
					6	Communication and Teamwork	75.3
					7	Safety	67.7
					8	Engineering Systems	63.6
		Perf	No data available				
3063	Production Agriculture	Written	223	64.1	1	Animal Science	65.5
					2	Conservation and Sustainable Natural Resources	63.3
					3	Plant Science	62.6
					4	Soil Management	64.0
					5	Agricultural Technology	67.3
					6	Agri-Business	62.1
		Perf	No data available				



Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2480	Protective Services	Written	75	69.5	1	Public Safety	70.7
					2	Law Enforcement	71.9
					3	Fire Fighting	75.0
					4	Emergency Medical Services	58.7
					5	Career Development	72.5
					6	Homeland Security	59.8
		Perf	No data available				
1289	Recreation, Amusements, and Attractions	No data available					
1286	Restaurants, Food and Beverage Services	Written	11	84.4	1	General Hospitality and Tourism Technical Skills	86.0
					2	Academic Foundations	86.7
					3	Systems	90.9
					4	Ethics and Legal Responsibilities	93.9
					5	Communications	84.6
					6	Information Technology Applications	81.8
					7	Problem Solving, Critical Thinking, and Decision Making	79.5
					8	Leadership and Teamwork	92.4
					9	Safety, Health, and Environmental	94.8
					10	Employability and Career Development	94.5
					11	Restaurant, Food, and Beverage Services	70.9
4010	Retail Commercial Baking	Written	351	78.1	1	Safety and Sanitation	83.1
					2	Business and Math Skills	75.8
					3	Identification, Classification, and Properties of Ingredients	69.2
					4	Baking Preparation (Mise en Place)	78.4
					5	Basic Baking	76.4
					6	Product Merchandising	79.9
					7	Purchasing, Receiving, Inventory, and Storage	79.4
					8	Nutrition	76.6
					9	Human Relations and Career Skills	86.1
		Perf	31	94.1	1	Soft Dinner Roll Dough	96.3
			2	Cake Decorating	90.6		
			3	Fruit Pie	96.3		
			4	Pâte A Choux	93.9		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4153	Retail Merchandising	Written	331	80.7	1	Advertising/Promotion	82.9
					2	Communications	83.8
					3	Visual Merchandising	87.1
					4	Marketing/Merchandising	78.3
					5	Technology in Retail Merchandising	83.4
					6	Economics	68.6
					7	Customer Service, Sales, and Selling	82.8
					8	Professionalism in Retail Merchandising	87.9
					9	Retail-related Mathematics	76.0
					10	Entrepreneurship	74.6
		Perf	64	74.5	1	Inventory Check-in	67.2
					2	Cash Handling	75.3
					3	Handling Customer Returns	79.1
					4	Product Knowledge and Selling	72.9
					5	Virtual Cash Drawer Closing of a Retail Business	76.6
1136	Security and Protective Services	No data available					
3103	Small Animal Science and Technology	No data available					
4168	Small Engine Technology	Written	18	66.4	1	Safety	75.6
					2	General Shop Practices	72.7
					3	Maintenance	66.9
					4	Lubrication Systems	78.8
					5	Fuel System Fundamentals	70.6
					6	Governor	57.4
					7	Ignition	49.0
					8	Starters and Charging Systems	45.0
					9	Cylinder Head and Valve, Service and Maintenance	65.5
					10	Engine Assembly	74.2
					11	Troubleshooting	62.9

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg
4168	Small Engine Technology	Perf	18	73.8	1	Start and Adjust Engine	65.6
					2	Ignition Service	78.7
					3	Measure Parts	91.6
					4	Valve Service	73.9
					5	Carburetor Service	74.1
					6	Invoicing Parts	78.8
					7	Manual Starter Service	57.1
4054	Technical Drafting	Written	296	67.3	1	Basic Drawing Skills	69.3
					2	Geometric Construction	70.3
					3	Applied Mathematics	81.3
					4	Dimensioning Skills	64.9
					5	Multiview Drawing	61.2
					6	Threads and Fasteners	62.6
					7	Manufacturing Processes	61.4
					8	Design Principles	56.5
		Perf	165	72.6	1	Visualization	72.3
					2	Orthographic Drawing	72.6
					3	Development	66.9
	4	Assembly			79.1		
3427	Television Production	Written	136	73.5	1	Safety and Sanitation	84.2
					2	Business and Math Skills	72.7
					3	Identification, Classification, and Properties of Ingredients	72.3
					4	Baking Preparation (Mise en Place)	72.2
					5	Basic Baking	74.5
		Perf	18	81.7	1	Create and Script Video	85.2
					2	Shot Composition	80.6
	3	Edit Shots with the Interview			79.4		

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
1185	Therapeutic Services	Written	35	71.7	1	General Health Sciences Technical Skills	75.4
					2	Academic Foundations	69.4
					3	Systems	69.0
					4	Ethics and Legal Responsibilities	71.0
					5	Communication	70.2
					6	Information Technology	70.0
					7	Problem Solving, Critical Thinking, and Decision Making	64.1
					8	Leadership and Teamwork	89.0
					9	Safety, Health, and Environment	68.9
					10	Employability and Career Development	81.6
					11	Therapeutic Services	67.6
1288	Travel and Tourism	Written	22	62.5	1	General Hospitality and Tourism Technical Skills	61.2
					2	Academic Foundations	56.3
					3	Systems	67.4
					4	Ethics and Legal Responsibilities	75.0
					5	Communications	63.3
					6	Information Technology Applications	56.1
					7	Problem Solving, Critical Thinking, and Decision Making	51.7
					8	Leadership and Teamwork	77.3
					9	Safety, Health, and Environmental	65.6
					10	Employability and Career Development	74.5
					11	Travel and Tourism	59.7
1108	Visual Arts	Written	45	79.2	1	Technical Skills	80.3
					2	Visual Arts	75.6
					3	Academic Foundations	80.6
					4	Systems	87.0
					5	Ethics and Legal Responsibilities	81.0
					6	Communication	91.5
					7	Information Technology Applications	60.3
					8	Problem Solving, Critical Thinking, and Decision-Making	62.2
					9	Leadership and Teamwork	90.8
					10	Safety, Health, and Environmental	83.3
					11	Employability and Career Development	72.6

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/Job #	Standard/Job Description	Stand/Job Avg		
3425	Visual Comm & Interactive Multimedia Design	Written	64	73.1	1	Safety	79.1		
					2	Career Overview	70.3		
					3	Computer Literacy	76.2		
					4	Interactive Media	71.9		
					5	Visual Literacy	83.1		
					6	Conceptual Design Process	73.8		
					7	Color Theory	66.3		
					8	Typography	71.0		
					9	Materials and Tools	60.2		
		Perf	No data available						
2750	Web Design	Written	136	64.9	1	Internet Basics	76.2		
					2	Programming/Markup/Scripting	59.9		
					3	Editors	66.4		
					4	Web Graphics	72.6		
					5	Web Multimedia	57.3		
					6	Web Marketing and Business Management	64.7		
					7	Site Design	60.7		
					8	Administration and Maintenance	62.8		
		Perf	No data available						
4172	Welding	Written	1,443	69.0	1	Safety	76.8		
					2	Welding Symbols and Blueprint Reading	78.3		
					3	Oxyfuel Cutting (OFC)	61.3		
					4	Arc Cutting Process (Carbon Arc and Plasma Arc)	62.0		
					5	Physical Characteristics and Mechanical Properties of Metals	72.7		
					6	Weld Fit-Up and Quality	73.7		
					7	Shielded Metal Arc Welding (SMAW)	66.4		
					8	Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FC)	63.8		
					9	Gas Tungsten Arc Welding (GTAW)	69.2		
				Perf	189	70.5	1	Oxyfuel Cutting	77.5
							2	SMAW V-Groove, 3G	78.0
							3	GMAW Tee Joint, 2F	79.8
							4	Aluminum GTAW Tee Joint, 2F	56.0
							5	Stainless Steel GTAW Lap Joint, 2F	58.0

Test Code	Test Title	Test Type	Total Count	Total Avg	Stand/ Job #	Standard/Job Description	Stand/ Job Avg
2150	Wind Turbine Maintenance Technician	Written	124	73.1	1	Safety	74.6
					2	Equipment Operation	92.3
					3	Electrical and Mechanical Systems	68.4
					4	Hand Tools	65.1
					5	Maintain Equipment	74.8
					6	Computational, Technical and Writing Skills	77.0
					7	Introduction to Careers in Wind Technology	86.5
		Perf	44	90.2	1	(A) Identification of Safety Equipment	95.0
					2	(B) Identification of safety equipment	93.9
					3	(A) Demonstration of safety equipment and climbing technique	96.6
					4	(B) Demonstration of safety equipment and climbing technique	97.3
					5	Connect a Start-Stop Switch to a Contactor and Start a Motor	75.1
					6	Identify hand tools and fasteners	88.0
					7	Torque Testing	91.7
3033	Workplace Readiness	Written	908	68.3	1	Communications	67.2
					2	Problem Solving and Critical Thinking	61.4
					3	Information Technology Applications	71.6
					4	Systems	62.8
					5	Safety, Health, and Environment	62.9
					6	Leadership and Teamwork	79.4
					7	Ethics and/or Legal Responsibilities	82.6
					8	Employability and/or Career Development	70.2