



Introduction to Construction Careers

Complete Task List:

Task Number	Description	Hours	Level
<i>*Local Task List</i>			
VA100	ORIENTATION AND SAFETY		
VA101	Identify school and lab rules, regulations, and attendance requirements.		
VA102	Recognize school layout, resources, and evacuation procedures.		
VA103	Identify and describe OSHA standards and Right to Know regulations.		
VA200	TOOL SAFETY		
VA201	Use hand tools in a safe and appropriate manner.		
VA202	Operate circular saw in a safe and appropriate manner		
VA203	Operate drill in a safe and appropriate manner		
VA204	Operate Jigsaw in a safe and appropriate manner		
VA205	Operate Miter Saw in a safe and appropriate manner		
VA300	LUMBER AND WOOD		
VA301	Discuss carpentry trade and opportunities.		
VA302	Interpret grade markings on lumber and plywood.		
VA303	Identify various types of building materials, their respective uses and how to care for them on a jobsite.		
VA304	List the basic types of fasteners and their uses.		
VA305	Describe the common types of adhesives used in construction work and explain their uses.		
VA400	INTRODUCTION TO CARPENTRY - FLOOR		
VA401	Identify the different types of framing systems and framing members.		
VA402	Read and understand drawings and specifications to determine floor system requirements.		
VA403	Estimate the amount of material needed to frame a floor assembly.		
VA404	Demonstrate the ability to lay out and construct a floor assembly.		
VA405	Layout stairs.		
VA406	Build a stairway.		
VA500	INTRODUCTION TO CARPENTRY - WALL		
VA501	Identify the components of a wall and ceiling layout.		
VA502	Lay out, assemble, erect, and brace exterior walls for a frame building.		
VA503	Cut and install ceiling joists on a wood frame building.		
VA504	Estimate the materials required to frame walls and ceilings.		
VA600	INTRODUCTION TO CARPENTRY - ROOF		
VA601	Understand the terms associated with roof framing.		
VA602	Use a rafter framing square, speed square, and calculator in laying out a roof.		
VA603	Construct a frame roof.		
VA604	Estimate the materials used in framing and sheathing a roof.		

Task Number	Description	Hours	Level
VA605	Layout and Install F/G Shingles		
VA700	INTRODUCTION TO CARPENTRY - EXTERIOR		
VA701	Identify types of exterior finish materials.		
VA702	Install various exterior finishing materials. (Siding, Soffit, Fascia, and Cornice)		
VA703	Install exterior trim material (doors, windows).		
VA800	INTRODUCTION TO PLUMBING - TOOLS		
VA801	Discuss and explain basic elements of plumbing trade.		
VA802	Identify types of pipes and fittings.		
VA803	Identify types of fixtures, valves, and faucets.		
VA900	INTRODUCTION TO PLUMBING - SYSTEMS		
VA901	Make PVC joint.		
VA902	Make a CPVC joint.		
VA1000	INTRODUCTION TO PLUMBING - RESIDENTIAL		
VA1001	Identify components of a water system.		
VA1002	Identify components of a DWV system.		
VA1003	Install a water line.		
VA1004	Install a drain line.		
VA1400	INTRODUCTION TO MASONRY - CONCRETE		
VA1401	Discuss components of concrete construction.		
VA1402	Describe how concrete is placed and formed.		
VA1403	Build a form.		
VA1404	Demonstrate the ability to place and finish concrete.		
VA1500	INTRODUCTION TO PAINTING - TOOLS		
VA1501	Identify hand tools and abrasives.		
VA1502	Identify and prepare different types of paint for use.		
VA1600	INTRODUCTION TO PAINTING - EXTERIOR		
VA1601	Prepare and paint exterior door and window.		
VA1602	Hold, load, and clean a brush.		
VA1700	INTRODUCTION TO PAINTING - INTERIOR		
VA1701	Prepare an interior surface for paint.		
VA1702	Apply paint and clean a roller.		
VA1703	Paint a door or window and associated trim.		
VA1704	Paint interior woodwork.		
VA1705	Tape drywall joints.		
VA1800	INTRODUCTION TO ELECTRIC - TOOLS		
VA1801	Explore opportunities in Electrical construction.		
VA1802	Demonstrate an understanding of safety.		
VA1803	Identify an electrician's tools and demonstrate safe use.		
VA1900	INTRODUCTION TO RESIDENTIAL ELECTRIC - WIRING BASICS		
VA1901	Wiring systems installation.		
VA1902	Wiring switches.		

Task Number	Description	Hours	Level
VA1903	Wiring receptacles.		
VA1904	Wiring fixtures.		
VA2000	INTRODUCTION TO HVAC		
VA2001	Identify basic AC components		
VA2002	Identify basic air handler/air flow/air distribution		
VA2003	Identification of various heat systems		