

**LANSING COMMUNITY COLLEGE'S
RESPIRATOR MEDICAL EVALUATION QUESTIONNAIRE
JOB TASK ANALYSIS**

Purpose: This job task analysis is in response to Lansing Community College's Respiratory Protection Program. The Lansing Community College's Respiratory Protection Program requires the Fire Academy applicant to complete a physical medical exam at the, Professional Licensed Health Care Provider (PLHCP) of their choice. The Fire Academy Applicant must complete a medical evaluation questionnaire about previous injuries, illnesses, exposures to hazardous, or other toxic substances. This job task analysis is provided for the knowledge of the Fire Academy student and PLHCP, so they are aware of the physical requirements that will be performed while wearing a respirator or self contained breathing apparatus, SCBA during Fire Academy training functions.

I. THE STUDENT WILL BE EXPECTED TO PERFORM:

- A. With fire fighting ensemble and SCBA on that weights 75 pounds
- Cutting holes in pitched roofs elevated off the ground
 - Raising, lifting, and carrying ladders that weigh 75 – 100 pounds
 - Carry victims down ladders that weigh 120 – 250 pounds
 - Drag victims that weigh 120 – 250 pounds from rooms
 - Drag victims that weigh 120 – 250 pounds up and down stairs
 - Pulling charged hose
 - Pull charged and uncharged hose lines up several stories with ropes
 - Advance charged and uncharged hose lines up and down stairs and into rooms
 - Lift hose that weighs 35 – 50 pounds
 - Roll hose
 - Lift and use extrication equipment that weighs 35 – 75 pounds
 - Enter a restricted space
 - Enter a dark environment
 - Wear Level A and B hazardous material suits
 - Enter a high temperature (200° - 1500° F) at low visibility environment
 - Open windows with forcible entry tools
 - Open doors with forcible entry tools
 - Tie 8 different knots
 - Perform search patterns in limited visibility
 - Perform rescues in limited visibility
 - Extinguish and suppress A and B fire classifications
 - Advance a charged hoseline that provides 120 psi
 - Advance charged 1 ¾, 2 ½, and 5 inch hose lines
 - Connect hose lines to hydrants and fire apparatus
 - Connect hose lines for drafting
 - Erect portable ponds for drafting

- Enter confined space
- Apply foam with charged hose line operating at 200 psi
- Extinguish flammable liquid fire with ABC dry chemical, CO², and pressurized water extinguishers.
- Extinguish liquid propane gas fire as a member of a charged hose line team
- Don and Doff SCBA
- Don SCBA under 75 seconds
- Don turn out gear under 2 minutes

II. STUDENT WILL BE EXPECTED TO PERFORM:

- A. In physical fitness attire
 - Running five (5) under 60 minutes
 - Climb over 1,200 stairs in 60 minutes
 - Complete 100 pushups
 - Lift up to 50 – 100 pounds of weight

III. EQUIPMENT

- Axes
- Ladders
- Hose
- SCBAs
- Turn out gear
- Hazmat level A and B suits (A is encapsulated suit)
- Ropes
- Gas powered saws, fans, and generators
- Lights
- Nozzles
- Wrenches
- Hydrants
- Portable pond
- Fire truck
- Pry bars
- Pike poles
- Extrication spreaders, cutters, rams, and hydraulic pump
- Jacks, airbags, cribbing, and cutting tools
- Back boards
- Stretchers

IV. ENVIORNMENTS

- Extreme elevated and cold temperatures -30° F - 1500° F
- Elevated humidity
- Limited visibility
- Restricted spaces
- Thick smoke
- Elevated heights
- Confined space
- Sub terrain
- Lift 50 – 250 pounds
- Breathing from limited air supply while performing physical activities
- Sunny conditions
- Windy conditions
- Rainy conditions
- Snowy conditions
- Icy conditions
- Slippery conditions
- Stressful conditions