

| Health and Public Safety Division | |
|-----------------------------------|---|
| Function Number | ESSENTIAL FUNCTIONS FIRE PROTECTION TECHNICIAN |
| 1 | Communicates verbally using telephone or radio to speak with emergency dispatcher, police, fire, first responders and hospital staff. |
| 2 | Ability to lift, carry, and balance up to 125 pounds. |
| 3 | Drives fire vehicles in a safe manner, discerning street names, and map reading. |
| 4 | Interprets and responds to written, oral, and diagnostic form instructions. |
| 5 | Good manual dexterity with ability to perform all tasks necessary in fire-related emergencies of both persons and property, and documentation of these situations. |
| 6 | Ability to bend, stoop, balance, and crawl on uneven terrain, and the ability to withstand varied environmental conditions such as extreme heat, cold, and moisture. |
| 7 | Verbally communicates to provide treatment to diverse age and cultural groups. |
| 8 | Ability to work independently without defined structure, have good stable reasoning ability, with ability to draw valid conclusions expediently to patients' and property's condition, often using limited information. |
| 9 | Regarding persons: Must be cognizant of all legal, ethical, and moral obligations inherent within scope of practice. |
| 10 | Assists EMS providers in lifting patient onto stretcher, places patient in ambulance, secures stretcher. |
| 11 | Restocks and replaces used supplies, uses appropriate disinfecting procedures to clean equipment, checks all equipment to ensure adequate working condition for next response. |
| 12 | Performs accurate and legible reports. |
| 13 | Supervises the activities and educational experiences of assigned observers and students. |
| 14 | Assumes responsibility for personal goals, professional development, and success. |

Health and Public Safety Division
Essential Functions Program Specifications – Fire Protection Technician Program

| Physical Factors | YES | NO | Essential Functions Number |
|------------------|-----|----|----------------------------|
| Standing | ◆ | | 2,3,5,6,10,11,13 |
| Walking | ◆ | | 2,3,5,6,10,11,13 |
| Sitting | ◆ | | 2,3,5,6,10,11,13 |
| Lifting | | | |
| 10 lbs. | ◆ | | 2,5,6,10,11,13 |
| 20 lbs. | ◆ | | 2,5,6,10,11,13 |
| 50 lbs. | ◆ | | 2,5,6,10,11,13 |
| 100 lbs. | ◆ | | 2,5,6,10,11,13 |
| 100 lbs. + | ◆ | | 2,5,6,10,11,13 |
| Carrying | | | 2,5,6,10,11,13 |
| 10 lbs. | ◆ | | 2,5,6,10,11,13 |
| 20 lbs. | ◆ | | 2,5,6,10,11,13 |
| 50 lbs. | ◆ | | 2,5,6,10,11,13 |
| 100 lbs. | ◆ | | 2,5,6,10,11,13 |
| 100 lbs. + | ◆ | | 2,5,6,10,11,13 |
| Pushing/Pulling | | | |
| 10 lbs. | ◆ | | 2,3,5,6,10,11,13 |
| 20 lbs. | ◆ | | 2,3,5,6,10,11,13 |
| 50 lbs. | ◆ | | 2,3,5,6,10,11,13 |
| 100 lbs. | ◆ | | 2,5,6,10,11,13 |
| 100 lbs. + | ◆ | | 2,5,6,10,11,13 |
| Climbing | ◆ | | 2,3,5,6,10,11,13 |
| Balancing | ◆ | | 2,3,5,6,10,11,13 |
| Bending | ◆ | | 2,5,6,10,11,13 |
| Stooping | ◆ | | 2,5,6,10,11,13 |
| Crouching | ◆ | | 2,5,6,10,11,13 |
| Kneeling | ◆ | | 2,5,6,10,11,13 |
| Crawling | ◆ | | 2,5,6,10,11,13 |
| Running | ◆ | | 2,5,6,10 |

| Physical Factors | YES | NO | Essential Functions Number |
|--|-----|----|----------------------------|
| Twisting | ◆ | | 2,3,5,6,10,11,13 |
| Turning | ◆ | | 2,3,5,6,10,11,13 |
| Jumping | ◆ | | 2,5,6 |
| Grasping-Firm/Strong | ◆ | | 2,3,5,6,10,11,13 |
| Grasping-Light | ◆ | | 1,5,6,10,11,13 |
| Finger Dexterity | ◆ | | 1,3,5,6,10,11,13 |
| Reaching Forward | ◆ | | 2,3,5,6,10,11,13 |
| Reaching Overhead | ◆ | | 2,5,6,10,11,13 |
| Pinching | ◆ | | 2,5,6,11,13 |
| Simultaneous use of Hand, wrist, fingers (e.g. typing, data entry) | ◆ | | 1,2,3,5,6,10,11,13 |
| Coordination | | | |
| Eye-hand | ◆ | | 1,2,3,5,6,10,11,13 |
| Eye-hand-foot | ◆ | | 2,3,5,6,10,11,13 |
| Driving | ◆ | | 3,5,6,10,11,13 |
| Touch Characteristics (e.g. size, shape, texture) | | | |
| Vibration/palpation | | | |
| Temperature | | | |
| Vision Acuity, Near | ◆ | | 1,2,3,4,5,6,10,11,12,13 |
| Vision Acuity, Far | ◆ | | 2,3,5,6,10,11,12,13 |
| Depth perception | ◆ | | 2,3,5,6,10,11,12,13 |
| Accommodation | ◆ | | 3,5,6,11,13 |
| Color vision | ◆ | | 3,4,5,6,10,11,12,13 |
| Field of vision | ◆ | | 2,3,4,5,6,10,11,12,13 |
| Hearing | | | |
| Face-to-face conversation | ◆ | | 4,5,7,8,9,11,12,13,14 |
| Verbal conversation w/others | ◆ | | 4,5,7,8,9,11,12,13,14 |
| Public Speaking | ◆ | | 4,5,7,8,9,13,14 |

Health and Public Safety Division
Essential Functions Program Specifications – Fire Protection Technician Program

| Environmental Factors | YES | NO | Essential Functions Number |
|--|-----|----|--------------------------------|
| Works indoors | ◆ | | 1,2,3,5,6,10,11,13 |
| Works outdoors | ◆ | | 2,3,5,6,10,11,13 |
| Exposure to extreme hot or cold temp | ◆ | | 3,5,6,10,11,13 |
| Working at unprotected heights | ◆ | | 5,6,10,13 |
| Being around moving machinery | ◆ | | 3,5,10,13 |
| Exposure to marked changes in temperature/humidity | ◆ | | 3,5,10,13 |
| Exposure to dust, fumes, smoke, gases, odors, mists or other irritating particles (<i>specify</i>) | ◆ | | 3,5,6,10,13 |
| Exposure to toxic or caustic chemicals | ◆ | | 3,5,6,10,13 |
| Exposure to excessive noises | ◆ | | 3,5,6,10,13 |
| Exposure to radiation or electrical energy | ◆ | | 3,5,6,10,13 |
| Exposure to solvents, grease, or oils | ◆ | | 3,5,6,10,13 |
| Exposure to slippery or uneven walking surfaces | ◆ | | 3,5,6,10,13 |
| Working in confined spaces | ◆ | | 5,6,10,13 |
| Using computer monitor | ◆ | | 3,4,5,10,13,14 |
| Working with explosives | ◆ | | 5,6,13 |
| Exposure to vibration | ◆ | | 3,5,6,10,13 |
| Exposure to flames or burning items | ◆ | | 5,6,10,13 |
| Works around others | ◆ | | 1,3,4,5,6,7,8,9,10,11,12,13,14 |

| Environmental Factors | YES | NO | Essential Functions Number |
|--|-----|----|--------------------------------|
| Works alone | ◆ | | 1,3,4,5,6,7,8,9,10,11,12,13,14 |
| Works with others | ◆ | | 1,3,4,5,6,7,8,9,10,11,12,13,14 |
| Safety Equipment (<i>Required to wear</i>) | | | |
| Safety glasses | ◆ | | 3,5,6,10,11,13 |
| Face mask/face shield | ◆ | | 5,6,10,11,13 |
| Ear plugs | ◆ | | 3,5,6,10,11,13 |
| Hard Hat | ◆ | | 5,6,10,11,13 |
| Protective Clothing | ◆ | | 3,5,6,10,11,13 |

| Cognitive/Mental Factors | YES | NO | Essential Functions Number |
|--|-----|----|--------------------------------|
| Reasoning | ◆ | | 1,4,5,6,8,9,10,11,12,13,14 |
| Deal with abstract and concrete variables, define problems, collect data, establish facts, and draw valid conclusions | ◆ | | 1,4,5,6,8,9,10,11,12,13,14 |
| Interpret instructions furnished in oral, written, diagrammatic, or schedule form | ◆ | | 1,3,4,5,6,7,8,9,10,11,12,13,14 |
| Deal with problems from standard situations | ◆ | | 3,4,5,6,7,8,9,10,11,12,13,14 |
| Carry out detailed but uninvolved written or oral instructions | ◆ | | 3,4,5,6,8,9,12,13,14 |
| Carry out one or two step instructions | ◆ | | 3,4,5,6,8,10,12,13,14 |
| Mathematics Complex skills –Business math, algebra, geometry or statistics | ◆ | | 3,4,5,8,9,11,12,13,14 |
| Simple skills – add, subtract, multiply and divide whole numbers and fractions, calculate time and simple measurements | ◆ | | 3,4,5,7,8,11,12,13,14 |
| Reading Complex skills - Comprehend newspapers, manuals, journals, instructions in use and maintenance of equipment, safety rules and procedures and drawings | ◆ | | 3,4,5,7,8,11,12,13,14 |

| Cognitive/Mental Factors | YES | NO | Essential Functions Number |
|--|-----|----|----------------------------|
| Simple skills - Comprehend simple Instructions or notations from a log book | ◆ | | 3,4,7,8,11,12,13,14 |
| Writing Complex skills – Prepare business letters, report summaries using prescribed form at and conforming to all rules of punctuation, spelling, grammar, diction and style | ◆ | | 4,5,7,8,9,11,12,13,14 |
| Simple skills – English sentences containing subject, verb and object; names and addresses, complete job application or notations in a log book | ◆ | | 1,3,4,6,7,8,9,11,12,13,14 |
| Perception Spatial – ability to comprehend forms in space and understand relationships of plane and solid objects; frequently described as the ability to “visualize” objects of two or three dimensions, or to think visually of geometric forms | ◆ | | 3,4,5,6,8,10,11,12,13, |
| Form – ability to perceive pertinent detail in objects or in pictorial or graphic material; to make visual comparisons and discriminations and see slight differences in shapes and shadings of figures and widths and lengths of line | ◆ | | 3,4,5,8,10,11,12,13 |

Health and Public Safety Division
Essential Functions Program Specifications – Fire Protection Technician Program

| Cognitive/Mental Factors | YES | NO | Essential Functions Number |
|--|-----|----|--------------------------------|
| Clerical – ability to perceive pertinent detail in verbal or tabular material; to observe differences in copy, to proof-read words and numbers, and to avoid perceptual errors in arithmetic computation | ◆ | | 4,11,12,13,14 |
| Data Synthesizing | ◆ | | 1,4,5,8,9,11,12,13,14 |
| Coordinating | ◆ | | 4,7,8,11,12,13,14 |
| Analyzing | ◆ | | 4,7,8,11,12,13,14 |
| Compiling | ◆ | | 4,7,11,12,13,14 |
| Computing | ◆ | | 4,7,11,12,13,14 |
| Copying | ◆ | | 4,7,11,12,13,14 |
| Comparing | ◆ | | 4,7,8,11,12,13,14 |
| Personal traits Ability to comprehend and follow instructions | ◆ | | 1,3,4,5,6,7,8,9,10,11,12,13,14 |
| | | | |
| Ability to maintain a work pace appropriate to a given work load | ◆ | | 3,4,5,6,7,10,11,12,13,14 |
| Ability to relate to other people beyond giving and receiving instructions | ◆ | | 1,3,4,5,6,7,8,9,10,11,12,13,14 |
| Ability to influence people | ◆ | | 1,3,4,5,6,7,8,9,10,11,12,13,14 |
| Ability to perform complex or varied tasks | ◆ | | 2,3,4,5,6,8,13,14 |

| Cognitive/Mental Factors | YES | NO | Essential Functions Number |
|---|-----|----|----------------------------|
| Ability to perform simple and repetitive tasks | ◆ | | 2,3,4,5,11,12,13 |
| Ability to make generalizations, evaluations or decisions without immediate supervision | ◆ | | 3,4,5,6,7,8,9,11,12,13,14 |
| Ability to accept and carry out responsibility for direction, control and planning | ◆ | | 3,4,5,6,7,8,9,11,12,13,14 |

NOTE; A change in your ability to perform any of the Essential Functions must be reported to Associate Dean, Patrick Fisher
 At 608-789-4747 or
 608-269-1611 or to your instructor immediately.