



## EXAMINATION BLUEPRINT CHANGES IN 2022

Every five (5) years, or more often if necessary, BCSP revalidates all certification examinations. During the revalidation process a new blueprint is created that reflects the consensus of the profession as to the key elements a minimally qualified candidate must possess to be deemed competent.

The Safety Trained Supervisor Construction® (STSC®) examination began its revalidation process in 2020, and a new blueprint was generated. The following is a synopsis of the changes:

- Overall, a significant amount of the general concepts identified in the current blueprint carried over to the new blueprint.
- Domain 2 increased in length due to the inclusion of more specific and detailed statements compared to the more general statements that appeared on the current blueprint.
- In Domain 3 the focus shifted slightly from Skill statements to Knowledge statements.
- Domain 5 showed the largest number of changes with the focus shifting from Leadership, Communication, and Training to Ethics and Leadership. Some of the previous statements from this domain now appear in Domains 1 and 2.
- The domain weights (percentages) decreased significantly for Domain 2 and shifted to Domains 3 and 4.

The new STSC blueprint is tentatively expected to be effective in early 2022.



## Domain 1

*Safety Program Implementation • 23.9%*

### Knowledge of:

1. Established environmental, safety, and health programs for implementation in the field
2. Appropriate respiratory protection relevant to the job task and associated hazards
3. Incident investigation processes and documentation
4. How to conduct a job/task hazard analysis
5. Hazards that need to be communicated and who to contact for determination of appropriate controls
6. Workplace sanitation/hygiene requirements
7. Permit-required work tasks
8. When issues should be elevated through the appropriate chain-of-command

### Skill to:

1. Evaluate workers' required qualifications, training, and/or certifications for job tasks
2. Identify and evaluate whether a worker is fit for duty
3. Identify safe and unsafe workplace behaviors
4. Conduct a safety inspection or audit
5. Mitigate hazards or risks found in a safety inspection or audit
6. Implement corrective actions based on the outcome of an incident investigation
7. Implement appropriate controls for job-site hazards

## Domain 2

*Hazard Identification and Control • 28.5%*

### Knowledge of:

1. Hot work hazards and controls
2. Electrical hazards and controls
3. Excavation hazards and controls
4. Confined space hazards and controls
5. Hazardous energy and control methods
6. Work zone hazards and controls
7. Material handling hazards and controls
8. Struck by/caught between hazards and controls
9. Pinch point hazards and controls
10. Spill response and controls
11. Proper use, care, maintenance, and limitations of personal protective equipment (PPE)
12. Hazards and controls associated with working at heights
13. Walking/working surfaces hazards and controls
14. Housekeeping hazards and controls
15. Hand and power tools hazards and controls
16. Heavy equipment hazards and controls
17. Crane hazards and controls
18. Hazards and controls associated with hoisting, rigging, and signaling
19. The hierarchy of controls

### Skill to:

1. Identify risks or hazards associated with the site layout
2. Select appropriate personal protective equipment (PPE) for potential job task hazards

## Domain 3

*Health Hazards and Basic Industrial Hygiene • 17.8%*

### Knowledge of:

1. Ergonomic hazards and controls
2. Work conditions that could create thermal stress
3. Hearing protection
4. Chemical hazards and controls

### Skill to:

1. Recognize ergonomic hazards on the worksite
2. Recognize signs and symptoms associated with thermal stress
3. Identify job task health hazards associated with routes of entry/exposure
4. Identify correct implementation of health hazard controls

## Domain 4

*Emergency Preparedness and Management • 16.6%*

### Knowledge of:

1. Proper use, access, and inspections of fire prevention and protection methods
2. Potential fire hazards and controls
3. Emergency response plans and drills
4. Required emergency response equipment for worksite hazards
5. Medical emergency response

### Skill to:

1. Identify correct fire extinguishing methods for worksite hazards

## Domain 5

*Leadership and Ethics • 13.2%*

### Knowledge of:

1. Professional and organizational ethics
2. BCSP Code of Ethics: Principles

### Skill to:

1. Apply the BCSP Code of Ethics: Leadership
2. Apply the BCSP Code of Ethics: Integrity
3. Apply the BCSP Code of Ethics: Diversity and bias