

# Building service engineering foundation apprenticeship

## Knowledge and skills coverage document

### Information for providers

Coverage of each knowledge and skill statement must include each and every occupation it is mapped to, unless expressly stated otherwise. For instance, if skill S1 is mapped to occupation 1 and occupation 2, then the range of coverage must include elements of both 1 and 2 so the apprentice benefits from a broad experience.

Competence is to the level described by this Foundation Apprenticeship's knowledge and skills and not the often higher level of the mapped occupations. Coverage will be a blend of on and off the job learning.

### Technical Knowledge

- K1: Employee responsibilities under health, safety and welfare regulations relevant to the role (OCC1020, version 1.1, K1)\*
- K2: Sustainability principles and practices relevant to the role, including waste disposal and the impact of BSE occupations on the environment (OCC1020, version 1.1, K2) (OCC1020, version 1.1, K10) (OCC0322, version 1.2, K3)\*
- K3: Types, use and storage of personal protective equipment (PPE) (OCC0322, version 1.2, K21)
- K4: Role of building service systems in making the building work for the user including air quality, heating and cooling, acoustics, fire prevention and control (OCC0303G, version 1.1, K1)
- K5: Industry standards and regulations relevant to the role including fire safety and Building Safety Act and how they interact (OCC0322, version 1.2, K3)\*
- K6: Roles and responsibilities of an employee and other relevant stakeholders and personnel in the workplace (OCC0303E, version 1.1, K5) (OCC0303G, version 1.1, K5)
- K7: Use and characteristics of materials and components associated with the BSE occupations (OCC0322, version 1.2, K8) (OCC0303G, version 1.1, K10) (OCC0303G, version 1.1, K11) (OCC0303G, version 1.1, K12) (OCC0303G, version 1.1, K13) (OCC0303G, version 1.1, K17)
- K8: Types, use and storage techniques of tools and equipment associated with BSE occupations (OCC0322, version 1.2, K21)
- K9: Basic functions of electrical and electronic control of BSE systems including electrical safety and when to engage a competent person (OCC0303G, version 1.1, K13) (OCC0303G, version 1.1, K18)

- K10: Work area preparation and maintenance techniques (OCC0303G, version 1.1, K7) (OCC0303E, version 1.1, K7) (OCC0303F, version 1.1, K7)
- K11: Techniques to carry out simple tasks associated with BSE occupations (OCC0303E, version 1.1, K2) (OCC0303E, version 1.1, K3) (OCC0303E, version 1.1, K27) (OCC0303E, version 1.1, K28) (OCC0303F, version 1.1, K2) (OCC0303F, version 1.1, K3) (OCC0303F, version 1.1, K19) (OCC1020, version 1.1, K3) (OCC1020, version 1.1, K11) (OCC1020, version 1.1, K12) (OCC1020, version 1.1, K13) (OCC1020, version 1.1, K16) (OCC1020, version 1.1, K18) (OCC0322, version 1.2, K6) (OCC0322, version 1.2, K11) (OCC0322, version 1.2, K12) (OCC0303G, version 1.1, K2)
- K12: Methods of protecting materials and work in progress from damage, weather and theft (OCC0322, version 1.2, K29) (OCC0322, version 1.2, K3)
- K13: Techniques to carry out simple BSE system functioning checks (OCC0322, version 1.2, K13) (OCC0322, version 1.2, K14) (OCC0322, version 1.2, K16) (OCC0303G, version 1.1, K2) (OCC0303G, version 1.1, K3)\*
- K14: The importance of customer service to their organisation (OCC0322, version 1.2, K23) (OCC0303G, version 1.1, K7) (OCC0303E, version 1.1, K7) (OCC0303F, version 1.1, K7)
- K15: Awareness of equity, inclusion and diversity regulations (OCC0322, version 1.2, K25)\*
- K16: Mental and physical health considerations in self and others when working in construction and the importance of reporting issues (OCC0322, version 1.2 K24)

## Technical Skills

- S1: Comply with employee responsibilities under health, safety and welfare regulations (OCC0322, version 1.2, S1) (OCC1020, version 1.1, S1) (OCC0303G, version 1.1, S1) (OCC0303E, version 1.1, S1) (OCC0303F, version 1.1, S1)\*
- S2: Use and store appropriate PPE (OCC1020, version 1.1, S1)
- S3: Follow written and verbal work instructions (OCC0322, version 1.2, S16) (OCC1020, version 1.1, S14) (OCC0322, version 1.2, S16)\*
- S4: Apply techniques to carry out simple tasks associated with BSE occupations (OCC0303G, version 1.1, S4)
- S5: Protect work in progress and materials, for example, from damage, weather or theft (OCC0303G, version 1.1, S1)
- S6: Apply techniques to carry out simple BSE system checks (OCC0303G, version 1.1, S2)
- S7: Use materials and components associated with BSE occupations (OCC0303E, version 1.1, S8)

- S8: Use and store tools and equipment associated with the occupations (OCC0322, version 1.2, S15)
- S9: Prepare and maintain the work area (OCC1020, version 1.1, S10)
- S10: Dispose of waste safely and sustainably. Segregate resources for reuse and recycling (OCC0322, version 1.2, S2)