



DESIGN

LEARNING OUTCOMES



Produce a proportionate risk-informed scope of work and strategy to integrate the human factors aspects into the design.



Evaluate and justify the appropriate allocation of function accounting for human attributes and identify the HF requirements necessary to deliver it.



Evaluate and justify the adequacy of the human factors aspects of the design to meet requirements and relevant good practice.



Develop and/or specify the design of tasks, equipment, workspaces and environments, taking account of the context, task factors, human capabilities and limitations to achieve the requirements.



Justify through testing and validation that the human factors aspects of the design as built meet the relevant requirements and the design intent.

UNIT BREAKDOWN

Unit	Foundation Certificate (L1)	Higher Certificate (L2)	Advanced Certificate (L3)
An Introduction to Human Factors in Nuclear	✓	✓	✓
Introduction to Human Physical Attributes	✓	✓	✓
Introduction to Psychology	✓	✓	✓
An Introduction to Performance Shaping Factors	✓	✓	✓
Introduction to Human Factors Tools and Techniques	✓	✓	✓
Foundations of Nuclear Safety Management and the Human Factors Contribution	✓	✓	✓
Human Factors Integration		✓	✓
Human Machine Interface Design		✓	✓
Human Factors in Control System Design		✓	✓
Environmental and Physiological Factors		✓	✓
Human Factors Design Analysis Methods			✓
Organisational Factors			✓
Evaluation and Assessment Tools and Methods			✓
Organisation Interface Management and Configuration Control			✓
Substantiation Judgements			✓