



Refrigeration Design Engineer Training

COURSE BROCHURE

Design & Applications Engineer



Engineering
Skillset

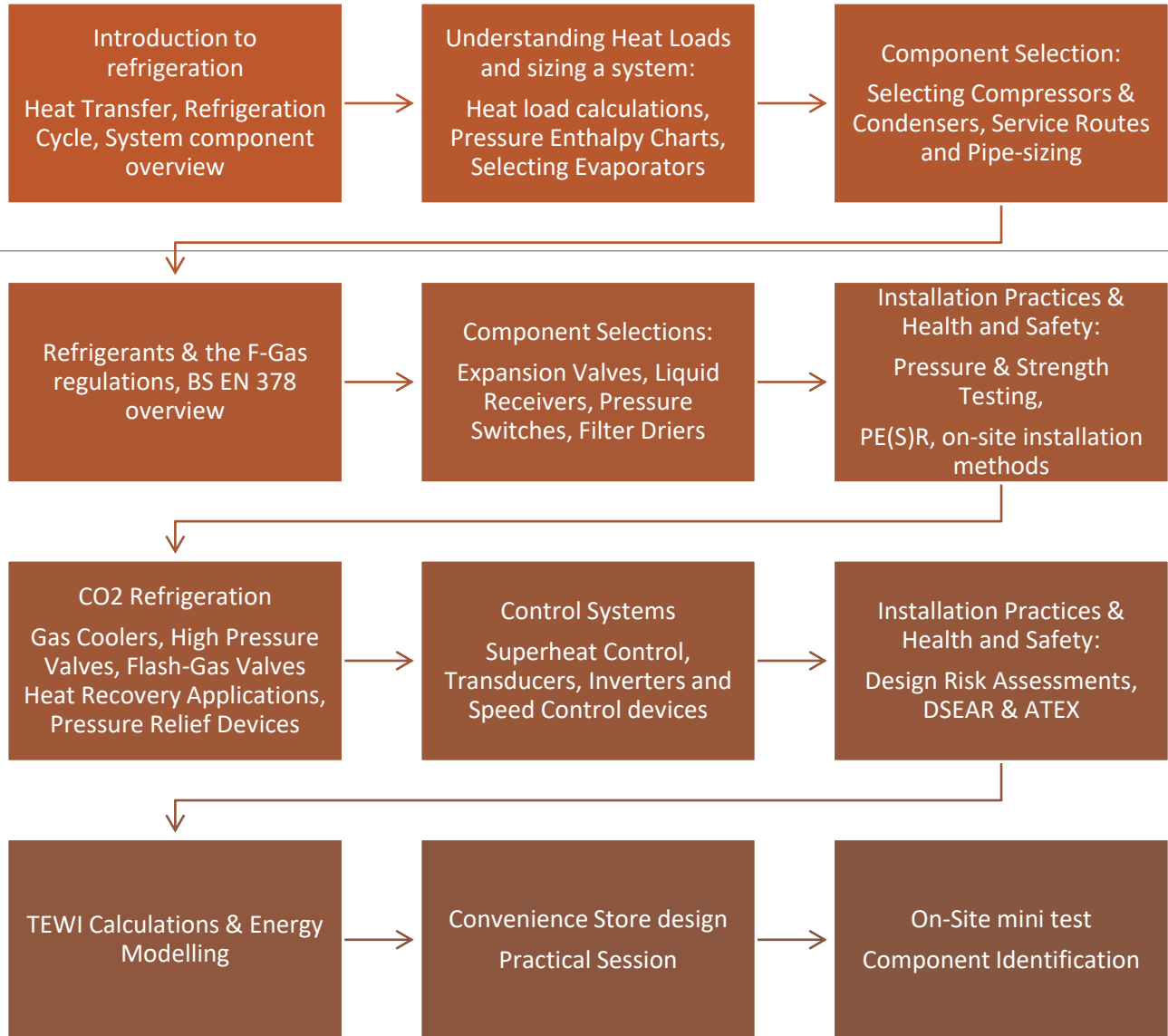
Financial Skillset

Management
Skillset

Refrigeration Design & Applications Engineering are responsible for the selection of components, design of systems and application of technologies in a range of engineering scenarios. Often the role includes project management and financial control elements from project inception to completion. Design & Applications engineering is a skilled career, requiring mastery of many different disciplines and using a wide skillset on a daily basis.



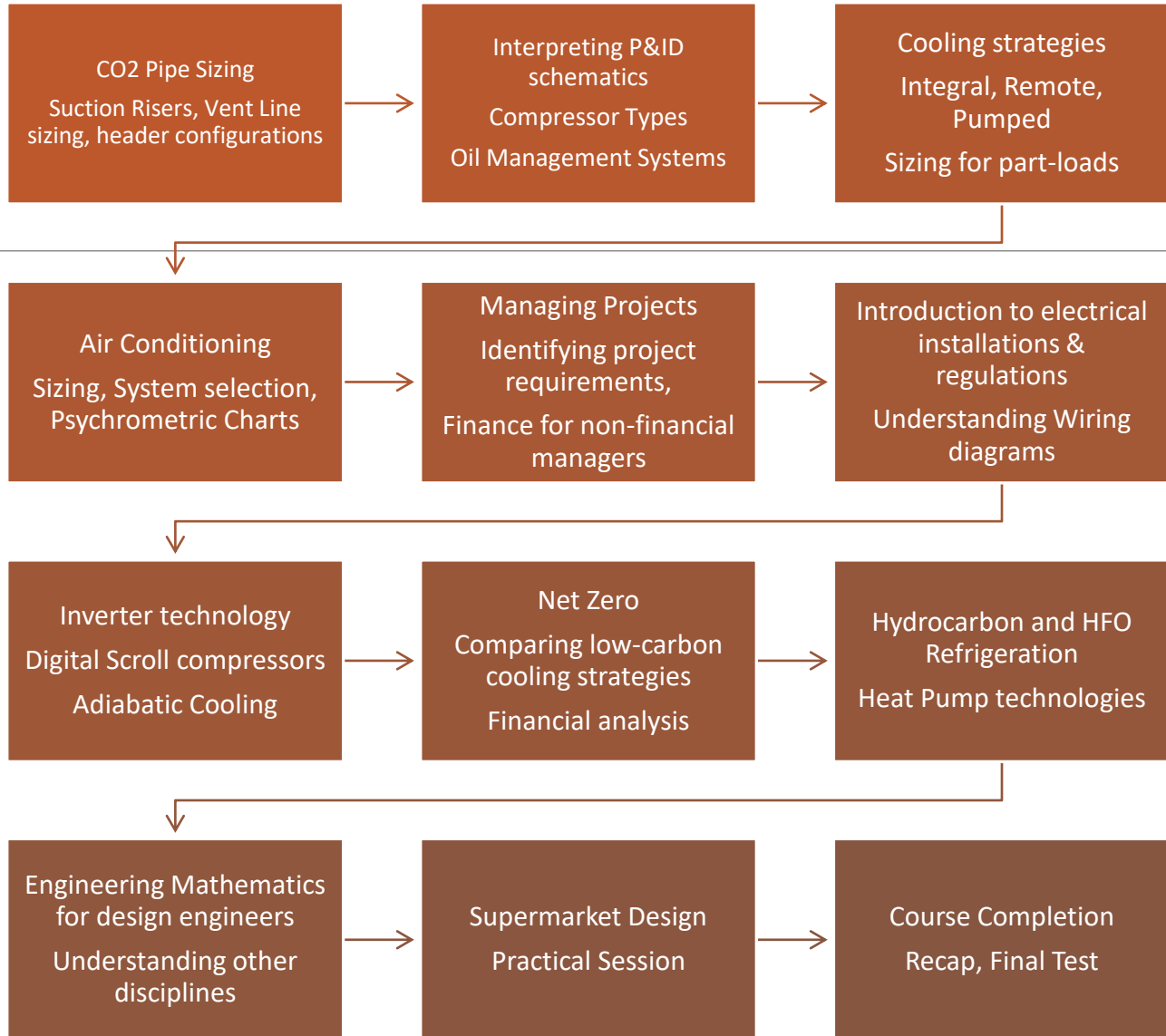
Year 1



A mixture of theory and practical sessions will help trainees develop their fundamental design skills. Trainees are tasked with carrying out the design of a convenience store, followed by an on-site “test” showing their understanding and identification of real-world systems.



Year 2



Advanced engineering and management skills will develop to underpin the trainee's design solutions. Trainees will carry out a full-size supermarket design followed by a test where they can show their design knowledge and technical skills.

Course Delivery

Schedules

Training is recommended for two consecutive days per month.

We recommend two days per module.

Omega Solutions can deliver training nationwide at an employer's premises or suitable location.



Delivery

Training can be delivered to up to groups of 6 trainees.

Training is delivered by industry professionals; Chartered Engineers, university professors and lecturers, and Fellows of the Institute of Refrigeration.



Communication

Regular updates and meetings with line management are arranged to assess trainee development.

Each in-person training session is followed up with a feedback form, allowing the trainee to put into their own words what they took from the training sessions.



In-person training provides a comfortable, encouraging environment for trainees to ask question, demonstrate learning and build relationships.

Omega Solutions can deliver training nationwide to groups of six or fewer. Small groups allows for a level of group discussion while keeping training personal, developing key skills that engineers will use in their day-to-day roles.

Career Development

Knowledge

Legislation, Regulations & Standards
Underpinning Principles
Data Analysis
System Design Fundamentals
Cooling Processes & Products
Planning
Sustainability
Supply Chain



Skills

Safe Working Practices
Computer Literacy
Project & Team Management
Application of Design Process
Sustainable System Operation
Visualisation & Interpretation
Commercial Skills



Behaviours

Safety Management
Ethical
Personal Responsibility
Communication at all levels
Personal & Social Skills



This course develops the key knowledge, skills and behaviours that a Design & Applications Engineer uses and embodies throughout their career. These characteristics and competencies align with the professional standards of the Engineering Council for registration at Incorporated Engineer (IEng) level.



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Education Consultancy

We provide one-to-one and group training and mentoring consultancy services.

From single to multi-day sessions to creating individual training development plans, our collaborative way of working helps organisations and their people grow.



Engineering Consultancy

Our engineering consultancy services provide our customers with engineering solutions that reduce energy consumption and carbon emissions to meet the demands of a Net Zero economy.



Data Management Consultancy

Our Data Management services have been created to support decision-making around selecting energy-efficient and low-carbon technologies as we transition to a Net Zero economy.

