



# IFEAT ACADEMY

## UNIT 7:

### KEY OPERATIONS AND CHEMICAL PROCESSES FOR SYNTHETICS

**8 Credits**

**80 Learning Hours**

**Unit Fee**

*IFEAT Members: £540*

*Non-Members: £680*

**Apply Here**

*[icats.education](http://icats.education)*

### Unit Overview

In this unit, you will gain insight into the production of synthetically produced aromatic materials. You will explore modern chemical processes and operations used to create synthetic materials, ensuring consistency, sustainability, and innovation in formulation. This unit covers basic chemistry concepts, chemical production techniques, and advanced analytical methods, providing a comprehensive understanding essential for professionals in the aroma trades. Equip yourself with the skills to innovate and excel in the global market with this in-depth, professionally focused unit.

### Further Information

 [education@ifeat.org](mailto:education@ifeat.org)

 [icats.education](http://icats.education)

 [ifeat.org](http://ifeat.org)



The IFEAT Academy is endorsed by the following:



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## KEY OPERATIONS AND CHEMICAL PROCESSES FOR SYNTHETICS

### What's included?

 Flexible Learning

 Tutor Support

 iCATS Learning Pack



## Unit Aims

By the end of the unit you will be able to:

-  Understand the key operations and chemical processes involved in the production of synthetic aromatic materials
-  Analyse modern chemical production techniques, focusing on sustainability and green chemistry
-  Evaluate the role of analytical techniques in ensuring the quality and consistency of synthetic aromatic materials

## UNIT LEARNING OUTCOMES



Demonstrate a thorough understanding of basic chemistry concepts and their application in the production of synthetic aromatic materials



Critically evaluate various chemical production techniques, including petrochemicals, biotech, and green chemistry, for their effectiveness and sustainability



Develop skills in selecting and optimising chemical processes to create consistent and innovative synthetic formulations



Apply practical knowledge of distillation, chromatography, and other chemical processes to produce high-quality synthetic aromatic materials

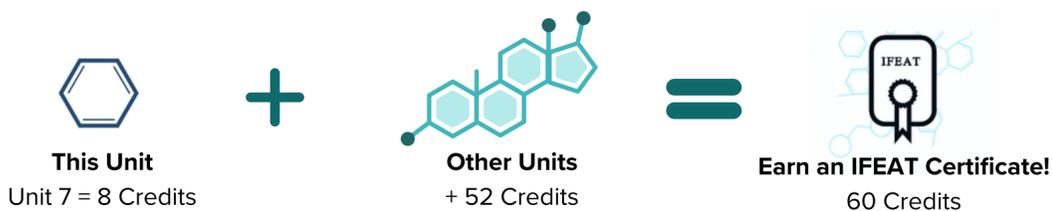


Enhance professional capabilities in utilising advanced analytical techniques to ensure the quality and stability of synthetic products in the aroma trades

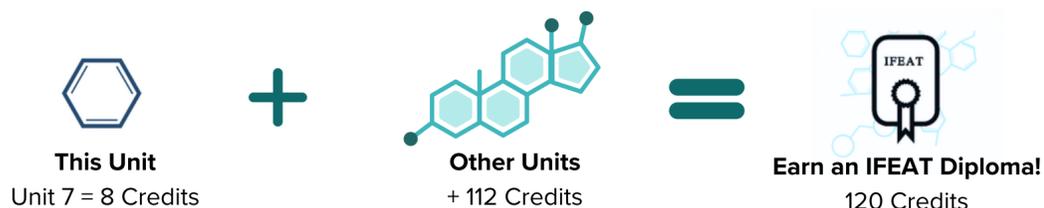


Synthesise information from various chemical and analytical processes to innovate and improve synthetic product development in the fragrance and flavour industry

## Combine units for an IFEAT Certificate



## Combine units for an IFEAT Diploma



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