

# Smarter Stabilization Strategies in Cosmetic Formulation

DIRECTED BY

**Mark Chandler** — President of ACT Solutions Corp (Adaptive Cosmetic Technology Solutions)



ACCREDITED  
COURSE

#### Course Topics Include:

- Small stabilization issues
- Steps to recovery
- Formulating traditional emulsions more fully
- Nontraditional emulsion platforms
- Making emulsions faster, better and with less energy

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## about the course

Stabilization mechanisms are a major area of importance in cosmetic product development. Emulsions can be particularly challenging to address. This 90-minute accredited training course will enable the participant to understand how emulsions fall apart, how to fix them, and how to do a better job in emulsion formulation design. In addition, the participant will learn how better to process emulsions based on their stabilization mechanism. Thirdly, the learner will be better equipped to design emulsions that more closely meet the aesthetic desires of the targeted consumer.

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## who should attend

This course will be beneficial to individuals in the cosmetic industry, or those seeking to enter the industry, who seek a broader or deeper understanding of the inner workings of development, evaluation, and performance of a variety of products. Technical personnel in service and allied functions in the cosmetic/toiletries field may also find this course of value.

It is intended for professionals in the cosmetic industry who function in the R&D, Marketing, and Manufacturing departments serving in roles connected to Formulation Scientists, Development Chemists, Technical Sales Executives, and Marketing Managers.

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## learning objectives

### Upon completion of this course, you will be able to:

- Interpret what can go wrong with an emulsion
- Discover ways to improve stability of emulsions
- Develop better emulsion formulation design strategies
- Expand horizons of aesthetic design of emulsions

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## course outline

### Review of Learning Objectives

#### Module 1: Separation Anxiety – How Emulsions Fail

- Small stabilization issues
- Severe stability crises
- Steps to recovery

#### Module 2: Stability Strategies – Formulation Options

- Formulating traditional emulsions more fully
- Nontraditional emulsion platforms
- Reasons for taking a broader view

#### Module 3: Steps to Success Processing Perfection

- There is no “one size fits all” approach
- Tailoring the approach to the stabilization mechanism
- Making emulsions faster, better, and with less energy

### Assessment Opportunity

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## course instructor

**Mark Chandler** is President of ACT Solutions Corp (Adaptive Cosmetic Technology Solutions), a formulation design consultancy founded in 2012, serving the cosmetic and topical pharmaceutical industries, focusing on Adaptive Aesthetic Design™, Advanced Emulsion Solutions™, and Formulating for Efficacy™, with formulation laboratories in Delaware and Ohio. Mr. Chandler has been in the industry for over 30 years, most recently serving as skincare applications manager for Croda Inc. He has roles in Sales, Marketing, Strategic Planning and Acquisitions, and Research and Development. Mr. Chandler has taught courses on Cosmetic Formulation, Cosmetic Raw Materials, Liquid Foundation Emulsions, and Low Energy Emulsification.

Mr. Chandler also is a Research Instructor in the Cosmetic Science and Formulation Design program at the University of Toledo – College of Pharmacy and Pharmaceutical Sciences. He was awarded Fellow status by the SCC in 2014. He has presented technology throughout the United States and in over a dozen other countries on five continents, published numerous articles, book chapters, and has been granted 3 patents. is a quality management consultant with over 30 years of experience in the pharmaceutical and device industries.

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## Accreditations



### **International Accreditors for Continuing Education and Training (IACET)**

Cobblestone has been approved as a CEU Accreditor by IACET and awards CEUs for participation in qualified courses. Cobblestone has demonstrated that it complies with the ANSI/IACET Standards and is authorized to offer IACET CEUs for its programs. CEUs will be awarded for participation in Cobblestone's courses at the rate of .1 CEU per contact hour upon successful completion of the entire course and 70% accuracy in the required Learners' Assessment. A minimum score of 80% is required for all courses within a Cobblestone Certification Program. This course offers a total of 1.5 contact hours, or .2 CEUs. For further information, visit [www.iacet.org](http://www.iacet.org)