

## UNIVERSITY OF CAPE TOWN



<http://www.medicine.uct.ac.za/hair-and-skin-research-lab-labatory-hsr-lab>

## ADVANCED DIPLOMA IN COSMETIC FORMULATION SCIENCE

DEPARTMENT OF MEDICINE  
DIVISION OF DERMATOLOGY

### General information

The Advanced Diploma in Cosmetic Formulation Science is the first in South Africa and first to be located within a Division of Dermatology in the world. This is a deliberate choice that aims to reduce the divide between scientists who develop and dermatologists who treat the many adverse effects of cosmetic products. The teaching is a careful balance between solid cosmetic science knowledge and hands-on cosmetic industry experience (80% of the time). The Dermatology contribution to the program intends to sensitize students to deleterious health effects that cosmetic products can have on consumers.

### Introduction

- 1-year full-time program
- Blended program with a 6-week block in January & 6-week block in July spent on campus (@ the Hair and Skin Research Lab, UCT, Observatory, Cape Town
- Two 4-month blocks at hosting companies for practical hands-on experience
- Hosting companies are national, and students can be placed anywhere in the country after the on-campus block based on availability and company selection
- Students are encouraged to find companies for in-service training and the university will assess and accept companies deemed suitable
- Collaboration with the Services Sector Education and Training Authority (SSETA) for industry placement.

### Aim

To produce graduates that are ready and equipped for product formulation in personal care manufacturing companies as: product developers, cosmetic formulators, R&D chemists or as entrepreneurs.

### Modules offered

- (1) Scientific Principles of Cosmetic Formulations
- (2) Cosmetic Formulation Technology
- (3) Hair and Skin Biology for the Cosmetic Formulator
- (4) Cosmetic: Claims, Regulations and Ethics
- (5) Professional Communication and Project Management for Cosmetic Scientists

### Admission requirements

To be admitted into the programme, students will be required to have at least a Bachelor of Science or equivalent science qualification with a minimum of Chemistry / Biochemistry at 2nd year level and Physics / Mathematics / Statistics at 1st year level. Additional preferred subjects include Human Biology, Cell Biology, Molecular Biology, Microbiology and Biotechnology. National Benchmark Test (NBT) is not required for the program.

### Application process

For 2020 intake: All applications must be submitted online Applications open 1 April 2019 Closing date for applications is 31 July 2019 Any queries regarding the application process, should be addressed to email: [fhs-ug-admiss@uct.ac.za](mailto:fhs-ug-admiss@uct.ac.za) or telephone 021 406-6328 or 021 406-6347

Applicants must upload certified copies of their final Grade 12 results, complete academic record, degree certificate and updated CV on the system when they apply online plus certified copies of these documents must be posted to UCT's Admissions Office, Private Bag X3, Rondebosch, 7701

### January block

6 January 2020 – 14 February 2020

### Venue

Hair & Skin Research Lab, Room K47 51, Old Main Building, Groote Schuur Hospital, Observatory, Cape Town, 7925

### Costs

Available on the UCT website: [www.uct.ac.za](http://www.uct.ac.za)

### Financial Assistance

Information regarding scholarships and bursaries is obtainable from the Postgraduate Funding office at [www.pgfo.uct.za](http://www.pgfo.uct.za)

### Further Information

Ms Ntombenhle Sishi  
Tel: 021 404 7763  
[ntombenhle.sishi@uct.ac.za](mailto:ntombenhle.sishi@uct.ac.za)

Mrs Morea Petersen  
Tel: 021 404 7750  
[morea.petersen@uct.ac.za](mailto:morea.petersen@uct.ac.za)

**ADVANCED DIPLOMA IN COSMETIC FORMULATION SCIENCE MODULE DESCRIPTORS**

MDN3005W Scientific Principles of Cosmetic Formulations	The aim of the course is to provide the student with a fundamental knowledge and understanding of the chemistry of cosmetic formulations as well as a working knowledge of raw materials, structure, reactivity, interaction, safety and function within a cosmetic formulation.
MDN3006W Cosmetic Formulation Technology	The aim of the course is to enhance the understanding of the cosmetic formulation concepts learned in Course 1 (Scientific Principles of Cosmetic Formulation) by carrying out practical work demonstrating these concepts.
MDN3007W Hair and Skin Biology for the Cosmetic Formulator	The aim of the course is to generate applied knowledge and understanding of the basic anatomy of skin and hair as substrates for cosmetic application and the interaction thereof with cosmetic raw materials and products.
MDN3008W Cosmetics: Claims, Regulations and Ethics	The aim of the course is to provide insight on the ethics of product development, manufacturing, testing and advertising.
MDN3009W Professional Communication and Project Management for Cosmetic Scientists	The aim of the course is to teach students appropriate information retrieval and processing skills as well as to equip them with the ability to present data and communicate in an appropriate academic and professional manner by using a range of genres appropriate to the context of cosmetic formulation science team.

**ASSESSMENT CRITERIA**

MDN3005W Scientific Principles of Cosmetic Formulations	Students will be assessed using class tests, assignments and an examination.
MDN3006W Cosmetic Formulation Technology	Students will be assessed using practical reports, assignments and a practical examination.
MDN3007 Hair and Skin Biology for the Cosmetic Formulator	Students will be assessed using practical reports, class tests and an examination.
MDN3008W Cosmetics: Claims, Regulation and Ethics	Students will be assessed using an assignment, test and an examination.
MDN3009W Professional Communication and Project Management for Cosmetic Scientists	Students will be assessed using written assignments (which include group work) and an oral presentation.