

# Cosmetic Science

AT SPELMAN COLLEGE



The Cosmetic Science program offers a Cosmetic Chemistry concentration and minor and a Cosmetic Science minor.

The program focuses on the molecular sciences related to product formulation and development, providing a fundamental understanding of the origin, structure, and function of ingredients.

The program aims to offer a culturally relevant academic experience that resonates with Spelman's student population by:

- Advance research on ethnic hair and skin.
- Increase students' preparation for and access to careers in the beauty and personal care industry, entrepreneurship, and advanced studies in cosmetics.
- Offer a unique perspective on the science of beauty and cosmetics, addressing the nuanced intersection of race, gender and culture.

Spelman  
College®

COSMETIC SCIENCE  
PROGRAM



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more info

## FOR MORE INFORMATION

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## Undergraduate Programs Tracks

### Careers in Cosmetic Chemistry

Formulator

Product Developer

Researcher

Quality Control/Quality Assurance

Specialist Product

Safety Specialist

Regulatory Affairs Specialist

Clinical Research Scientist

Packaging Scientist

Microbiologist

Sensory Scientist

Market Research Analyst

Technical Sales Representative

Educator/Trainer

Content Creator

Tech (AI)



# Cosmetic Science

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## First Year

### Cosmetic Chemistry Concentration

#### Fall Semester

General Chemistry I for Majors (CHE111)  
General Chemistry I Lab/Recitation (CHE111L)  
Precalculus (MAT116 or MAT120)  
First Year Composition (ENG103)  
African Diaspora/World I (ADW111)  
First Year Seminar in Chemistry (CHE101)  
First Year Experience (FYE 101)

#### Spring Semester

General Chemistry II for Majors (CHE112)  
General Chemistry II Lab/Recitation (CHE112L)  
Calculus I (MAT231)  
African Diaspora/World II (ADW112)  
Big Questions Colloquia (BQC100)  
First-Year Experience (FYE102)  
Wellness & Health

## Second Year

#### Fall Semester

Organic Chemistry I for Majors (CHE231)  
Organic Chemistry I Lab/Recitation (CHE233L)  
Physics I: Mechanics & Lab (PHY151)  
Calculus II (MAT232)  
Braven  
Survey of Beauty and Cosmetics (COS212)

#### Spring Semester

Organic Chemistry II for Majors (CHE232)  
Organic Chemistry II Lab/Recitation (CHE234L)  
Physics II: Elec/Mag & Lab (PHY241)  
Computer Science I - C++ (CIS121)  
Wellness & Health

## Third Year

#### Fall Semester

Physical Chemistry I (CHE345)  
Analytical Chemistry (CHE301)  
Analytical Chemistry Lab Elective (CHE301L)  
Foreign Language (FL201)  
Divisional Requirement I

#### Spring Semester

Divisional Requirement II  
Cosmetic Chemistry (COS326)  
Cosmetic Formulations (COS326L)  
Cosmetic Science Elective  
Foreign Language (FL202)

## Senior Year

#### Fall Semester

Chemistry Elective  
Chemistry of Natural Products (CHE452)  
Cosmetic Science Elective  
Oil and Fragrance Chemistry (COS425L)  
Undergraduate Research in Chemistry

#### Spring Semester

Biochemical Principles (CHE410)  
Chemistry Seminar (CHE429)  
Women's or International Studies  
Divisional Requirement 3  
Black Hair Lab (COS426L)  
Undergraduate Research in Chemistry

### Cosmetic Chemistry Minor

#### **For Biology, Health Sciences, or Pre-med Tracks**

Survey of Beauty and Cosmetics (COS212), Cosmetic Chemistry (COS326), Cosmetic Formulations (COS326L), Chemistry of Natural Products (CHE452), Oil and Fragrance Chemistry (COS425L), and Toxicology (CHE411). A Cosmetic Science Elective is **required**.

### Cosmetic Science Minor

#### **Not for Biology, Health Sciences, or Pre-med Tracks. Ideal for majors outside of the natural sciences.**

General Chemistry I (CHE111), General Chemistry I Lab/Recitation (CHE111L), General Chemistry II (CHE112), General Chemistry II Lab/Recitation (CHE112L), Organic Chemistry I (CHE231), Organic Chemistry I Lab/Recitation (CHE233L), Survey of Beauty and Cosmetics (COS212), Cosmetic Chemistry (COS326), and Cosmetic Formulations (COS326L). A Cosmetic Science Elective is **strongly recommend**.

### Cosmetic Science Electives

One of the following co is also required: Entrepreneurial Mindset, Women in Entrepreneurship, Principles in Marketing, Health Economics, Entrepreneurship of Beauty, and Psychology of Beauty

\*\*\*Please consult the CIS Department for CIS+X and and EHS for Health Sciences Option 2\*\*\*