

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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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

AT SPELMAN COLLEGE

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