

# COSMETIC SCIENCE MINOR

The College of Pharmacy and Pharmaceutical Sciences offers a Cosmetic Science minor. This minor is for students interested in sciences and who want to learn about beauty and personal care products. The four required lecture-based courses teach students about how the cosmetic industry works, ingredients that go into finished products, and how finished products are formulated and tested. Elective courses help individualize the minor for students.

The cosmetic science minor requires 15 credit hours. A grade of D or higher is required in all courses used to fulfill the cosmetic science minor requirements. Prerequisites for all courses must be fulfilled. Undergraduate students majoring in chemical engineering, chemistry and the BS Pharmaceutical Sciences in pharmaceutics, medicinal chemistry, or pharmacology/toxicology, are likely to be the most interested and qualified to complete the Cosmetic Science minor. Prerequisites for many courses in the minor include Chem 2420 Organic Chemistry II.

Interested students should fill out the minor declaration form with the College of Pharmacy and Pharmaceutical Sciences and meet with an academic advisor in the College of Pharmacy and Pharmaceutical Sciences. For questions about declaring the minor, please contact CPPS Office of Student Affairs (Main Campus Wolfe Hall 1227 or call 419.530.2010, or Health Science Campus Wolfe Center 155 or call 419.383.1904).

If students would like additional information on the educational benefits of completing the minor, please contact the following faculty:

Gabriella Baki, Ph.D. Assistant Professor College of Pharmacy and Pharmaceutical Sciences

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Code	Title	Hours
<b>A) Required courses</b>		<b>9</b>
PHPR 2040	Introduction to Cosmetic Science (pre-reqs: CHEM 1230 and 1240)	
PHPR 3040	Cosmetic Raw Materials (pre-reqs: CHEM 1230 and 1240)	
PHPR 4730	Cosmetic Science I (pre-req: PHPR 3040)	
PHPR 4750	Cosmetic Science II	
<b>B) Elective courses</b>		<b>6</b>
For College of Natural Sciences and Mathematics		
CHEM 3510	Biochemistry I	
CHEM 3610	Inorganic Chemistry I	
CHEM 4720	Modern Topics in Physical Chemistry	
CHEM 4200	Green Chemistry	
CHEM 4810	Materials Science I	
CHEM 4820	Materials Science II	
Electives for the College of Engineering		
CHEE 4800	Polymer Science And Engineering	
CHEE 4960	Senior Honors Thesis	
CHEE 4980	Special Topics In Chemical Engineering	

CHEE 4990	Independent Studies In Chemical Engineering
For the College of Pharmacy and Pharmaceutical Sciences	
PHCL 3700	PHARMACOLOGY I: PRINCIPLES OF PHARMACOLOGY, AUTONOMIC PHARMACOLOGY AND RELATED PHARMACOLOGY
MBC 3550	Physiological Chemistry I: Structure And Function Of Biological Macromolecules
MBC 3560	Physiological Chemistry II: Chemical Regulation Of Cells And Organisms
MBC 3330	Techniques in Pharmaceutical and Medicinal Chemistry
MBC 3340	Techniques in Pharmaceutical and Medicinal Chemistry Laboratory
PHCL 4760	Toxicokinetics