

## New Program Proposal

**Minor:** Cosmetic Science

**Department:** Pharmacy Practice

**College:** Pharmacy and Pharmaceutical Sciences

**Justification:** Opportunity to study cosmetic science primarily within the College of Pharmacy and Pharmaceutical Sciences, but also appeals to chemical engineering students (NB: undergraduate cosmetic science students are ~90% female, but only ~30% of chemical engineering students are female).

### Proposed Course Plan

#### **A) Required core courses (9 credit hours):**

- PHPR 2040 Intro to Cosmetic Science (1) – fall
- PHPR 3040 Cosmetic Raw Materials (2) – fall
- PHPR 4730 Cosmetic Science I (3) – spring
- PHPR 4750 Cosmetic Science II (3) – fall

#### **B) Elective courses (6 credit hours).**

##### ***College of Natural Sciences and Mathematics***

- CHEM 3510 Biochemistry I (3) – fall
- CHEM 3610 Inorganic Chemistry I (3) – spring
- CHEM 4720 Modern Topics in Physical Chemistry: Nanomaterials Science (3) – spring
- CHEM 4200 Green Chemistry (3) – fall
- CHEM 4810 Materials Science 1 (4) – fall
- CHEM 4820 Materials Science 2 (4) – spring

##### ***College of Engineering***

- CHEE 4800 Polymer Science and Engineering (3) – fall
- CHEE 4820 Colloid and Surface Phenomena (3) –
- CHEE 4960 Senior Honors Thesis (3) - For research projects related to cosmetic science, need approval by minor director – fall, spring, summer
- CHEE 4980 Special Topics in Chemical Engineering (1-4)- Need approval by minor director – fall, spring, summer
- CHEE 4990 Independent Studies in Chemical Engineering (1-4) - For research projects related to cosmetic science, need approval by minor director – fall, spring, summer

##### ***College of Pharmacy and Pharmaceutical Sciences***

- PHCL 3700 Pharmacology I (3) – fall
- MBC 3550 Physiological Chemistry I (3) – fall
- MBC 3560 Physiological Chemistry II (3) – spring
- MBC 3330 Techniques in Pharmaceutical and Medicinal Chemistry (2) – fall
- MBC 3340 Techniques in Pharmaceutical and Medicinal Chemistry Lab (1) – fall
- PHCL 4760 Toxicokinetics (3) – fall

Minimum number of credit hours for completion – 15

## **New Program Proposal**

**Minor:** Financial Data Analytics

**Department:** Information Operations & Technology Management

**College:** Business and Innovation

**Justification:** Data and business analytics has become a significant element of the accounting and finance occupations. This minor will help our accounting and finance majors to improve their skills and align it with the market needs.

**Comments:** This Minor is specifically designed for Accounting and Finance majors.

### **Proposed Course Plan**

#### **Required courses:**

BUAD 3040 Principles of Financial Management F/SP/SU

BUAD 2020 Information technology Management F/SP/SU

FINA 3890 Data Modeling with Excel F/SP

OSCM 4250 Business Analytics: Techniques and Cases F

#### **Electives:**

Choose **one** from the following:

INFS 3150 Principles of Structured Programming and Problem Solving F/SP/SU

INFS 3400 Principles of Information Security SP

INFS 4100 Business Intelligence Using Big Data SP

Minimum number of credit hours for completion – 15

## Program Modification – various (College of Natural Sciences and Mathematics)

These program modifications change the total credit hours from the historical 124 to the new 120, based only on a reduction in the number of electives.

<b>Program Code</b>	<b>College</b>	<b>Dept</b>	<b>Program Name</b>	<b>Contact Person</b>
SM-BIOL-BA	SM	BIOL	BA in Biology	Robert Steven
SM-BCHM-BA	SM	CHEM	BA in Biochemistry	Xiche Hu
SM-BCHM-BS	SM	CHEM	BS in Biochemistry	Xiche Hu
SM-CHEM-BA	SM	CHEM	BA in Chemistry	Xiche Hu
SM-CHEM-BS	SM	CHEM	BS in Chemistry	Xiche Hu