

Format II
B. S. in Textile Chemistry – Science and Operations Concentration

Freshman Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
PCC105 Intro PCC I	3	PCC106 Intro PCC II	4
MA131 or 141 Calculus	4	MA231 or 241 Calculus	4
PE100	1	Humanities/SS elective	3
ENG101 Acad Rsrch Writing	4	CH201 General Chem II	3
CH101 General Chem I	3	CH202 Gen Chem II lab	1
CH102 General Chem I lab	1		
	16		15

Sophomore Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
CH221 Organic Chem I	4	CH223 Organic Chem II	4
Advised elective (3) or MA242 Calculus (4)	3-4	PCC elective (3) or MA341 Diff Equations (3)	3
PY205 or 211 Physics I	4	PY208 or 212 Physics II	4
PCC301 Textile Wet Proc	4	Advised elective	3
		PE elective	1
	15-16		15

Junior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
PCC461	4	PCC elective	3
ENG331 or ENG 333	3	Advised elective	3
PCC elective	3	Technology and society	3
CH331 Phys Chemistry (4) or TE303 (3)	3-4	PCC442 Phys Chemistry	3
PCC elective	3	PCC305 Color Science	3
	16-17		15

Senior Year

<i>Fall Semester</i>	<i>Credits</i>	<i>Spring Semester</i>	<i>Credits</i>
PCC elective	3	PCC elective	3
PCC elective	3	PCC elective	3
Humanities/SS elective	3	Humanities/SS elective	3
Humanities/SS elective	3	Humanities/SS elective	3
Humanities/SS elective	3	PCC412 Anly Chem	3
	15		15

Minimum Hours Required for Graduation

122

PCC Electives (must take 7 or 8 courses, i.e. 21 to 24 hours)

PCC310, 320, 401, 402, 403, 407, 462, 466, 471, 490, 492

Advised Electives (must take 2 or 3 courses, i.e. 6 to 9 hours)

MB351, PY407, ST361, TE201, TMS210, TMS211, TT221, TT251, ZO160, TE466, TE467, TMS589
or CHxxx (any advanced chemistry course, with physical chemistry prerequisite)

Electives and required courses can be used to develop a focus in the student's area of interest, for example:

Color Chemistry: CH221, CH223, PCC301, PCC320, advanced chemistry elective

Color Science: PY205, PY208, PCC301, PCC492, PCC305, PCC442

Consumer Care: CH221, CH223, PCC301, PCC492, PCC412

Dyeing and Finishing: PCC301, PCC310, PCC320, PCC407

Environmental: PCC301, CH221, CH223, PCC401, PCC492

Fiber and Textile Science: PCC105, TE201, PCC106, CH221, CH223, PCC402, TMS589

Medical Textiles: MB351, ZO160, CH221, CH223, TE466, TE467

Polymer Chemistry: PCC105, PCC106, CH221, CH223, PC402, PCC466, TMS589

Those students wishing to consider pursuing graduate degrees may consider MA141/241/242/341 and Physics 205/208