

TEXTILE SCIENCES: Textile Development Stream – Microbiological Sciences Option (prerequisites in parentheses)

Year 1			Credit Hours
_____	CHEM 1300	University 1- Chemistry: Structure and Modelling in Chemistry (Math 40S, Chemistry 40S)	3
_____	CHEM 1310	University 1- Chemistry: An Introduction to Physical Chemistry (“C” in CHEM 1300)	3
_____	PSYC 1200	Introduction to Psychology <i>OR</i>	6
_____	or SOC 1200	Introduction to Sociology	
_____	BIOL 1020 & 1030	Biology 1 and Biology 2	6
_____	PERS 1200	Physical Activity, Health, and Wellness	3
_____	TXSC 1600	Textiles for Living	3
_____	TXSC 1610	Textiles, Products, and Consumers	3
_____	_____	Free Elective _____	3
Year 2			
_____	HMEC 2030W	Human Ecology: Perspectives and Communication	3
_____	STAT 1000	Basic Statistical Analysis 1	3
_____	HNSC 1210	Nutrition for Health and Changing Lifestyles	3
_____	TXSC 2600	Textiles for Apparel End Uses (TXSC 1020 or “C” in TXSC 1600, TXSC 1610, 3 credit hours chemistry)	3
_____	TXSC 2610	Textiles for Non-Apparel End Uses (TXSC 1020 or “C” in TXSC 1600, TXSC 1610, 3 credit hours chemistry)	3
_____	TXSC 2620	Consumer and Organizational Behaviour toward Textile Products (TXSC 2600, TXSC 2610)	3
_____	CHEM 2210	Introductory Organic Chemistry 1: Structure and Function (“C” in CHEM 1310)	3
_____	CHEM 2220	Introductory Organic Chemistry 2: Reactivity and Synthesis (“C” in CHEM 2210)	3
_____	MBIO 2100	General Microbiology A (“C” in BIOL 1020 and BIOL 1030 and CHEM 1310 or CHEM 1320)	3
_____	_____	Free Elective _____	3
Year 3			
_____	FMLY 1010	Human Development in the Family	3
_____	HMEC 2050	Introduction to Research (HMEC 2030W)	3
_____	STAT 2000	Basic Statistical Analysis 2 (“C” in STAT 1000)	3
_____	TXSC 3610	Product Standards and Specifications (TXSC 3620 and HMEC 2050)	3
_____	TXSC 3620	Evaluation of Textile Performance (TXSC 2600 and TXSC 2610)	3
_____	TXSC 3500	Textiles for the Healthcare Sector (TXSC 2610, HMEC 2050, and CHEM 2220)	3
_____	MBIO 2360	Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy (“C” in CHEM 1310 and BIOL 1020 and BIOL 1030)	3
_____	MBIO 2370	Biochemistry 2: Catabolism, Synthesis, and Information Pathways (“C” in MBIO 2360 and CHEM 2210)	3
_____	TXSC	Department Elective _____	3
_____	_____	Free Elective _____	3
Year 4			
_____	HMEC 3100	Communication for Professional Practice (54 credit hours, and HMEC 2030)	3
_____	TXSC 4620	Color Management (TXSC 3610 and HMEC 2050)	3
_____	TXSC 4630	Quality Assurance Systems (TXSC 3650 and TXSC 4620)	3
_____	TXSC 4500	Advanced Textiles for the Healthcare Sector (57 credit hours and TXSC 2600, TXSC 2610, TXSC 3260, “C” in TXSC 3500, CHEM 2220, and HMEC 2050)	3
_____	TXSC 4610	Integrative Project (84 credit hours)	6
_____	MBIO 3010	Mechanism of Microbial Disease (“C” in both MBIO 2100 and MBIO 2370)	3
_____	TXSC	Department Elective _____	3
_____	_____	Free Elective _____	3
_____	_____	Free Elective _____	3

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***In the event of discrepancies with this document and the General Calendar, the General Calendar will prevail.**You must have the prerequisites for any course you take. We will not override prerequisites in order to allow you to progress more quickly.**