

**MATERIALS: MATERIALS TECHNOLOGY OPTION****FRESHMAN YEAR**

<u>First Semester</u>			<u>R</u>	<u>L</u>	<u>C</u>	<u>Second Semester</u>			<u>R</u>	<u>L</u>	<u>C</u>
ENL	101	Critical Writing & Reading I	3	0	3	ENL	102	Critical Writing & Reading II	3	0	3
CIS	110	Computer Literacy	3	0	3			Free Elective	3	0	3
MTH	101	Elements of College Math I	3	0	3	MTH	102	Elements of College Math II	3	0	3
MTX	105	Contemp. Issues Materials Science ¹	3	0	3	MTX	110	Environmental Science & Business	3	0	3
		General Education Elective ²	3	0	3			General Education Elective ²	3	0	3
					15						15

SOPHOMORE YEAR

<u>First Semester</u>			<u>R</u>	<u>L</u>	<u>C</u>	<u>Second Semester</u>			<u>R</u>	<u>L</u>	<u>C</u>
ACT	211	Principles of Accounting I	3	0	3	ACT	212	Principles of Accounting II	3	0	3
ECO	231	Principles of Microeconomics ³	3	0	3	ECO	232	Principles of Macroeconomics	3	0	3
MTH	104	Fundamentals of Statistics	3	0	3	ENL	265	Business Communications ⁴	3	0	3
MTX	252	Materials Seminar ⁵	1	0	1	MTX	201	Properties of Materials	3	0	3
		General Education Elective ²	3	0	3			General Education Elective ²	3	0	3
					13						15

JUNIOR YEAR

<u>First Semester</u>			<u>R</u>	<u>L</u>	<u>C</u>	<u>Second Semester</u>			<u>R</u>	<u>L</u>	<u>C</u>
MTX	300	Textile Structures & Properties	3	3	4	MTX	304	Elec. & Optical Properties Materials	3	0	3
MTX	301	Materials Processing I	3	3	4	MTX	305	Materials Testing	3	3	4
MTX	310	Statistical Quality Control	3	0	3	FIN	312	Business Finance	3	0	3
MTX	321	Soft Materials & Fluids	3	0	3	MGT	311	Organizational Behavior	3	0	3
MIS	315	Information Systems	3	0	3	MKT	311	Principles of Marketing	3	0	3
					17						16

SENIOR YEAR

<u>First Semester</u>			<u>R</u>	<u>L</u>	<u>C</u>	<u>Second Semester</u>			<u>R</u>	<u>L</u>	<u>C</u>
MTX	401	Materials Processing II	3	3	4	MTX	402	Advanced Materials & Composites ⁶	3	0	3
MTX	421	Biological & Biomedical Materials	3	0	3	MTX	460	Materials Selection & Design	3	0	3
MTX	463	Senior Project ^{6,5}	3	0	3			Technical Elective ⁷	3	0	3
POM	333	Quantitative Business Analysis	3	0	3	POM	345	Operations Management	3	0	3
		Technical Elective ⁷	3	0	3			Technical Elective ⁷	3	0	3
					16						15

TOTAL CREDITS = 122

R = Recitation (hours)

L = Laboratory (hours)

C = Number of Credits

¹ This course meets the General Education Area E requirement: Ethics and Social Responsibility.² See General Education requirements (Areas C and D).³ This course meets the General Education Area G requirement: Global Awareness.⁴ This course meets the General Education Area W (Tier 2) requirement: Writing Skills.⁵ This course meets the General Education Area O requirement: Oral Skills.⁶ This course meets the General Education Area I (Tier 2) requirement: Information and Computer Literacy.⁷ Must be taken from approved list of courses.