

## SECTION II: DEPARTMENT OF SUSTAINABLE BIOPRODUCTS

SCI		<b>2021-2022 SUSTAINABLE BIOPRODUCTS MAJOR</b> Science Concentration (Sample Schedule) Total Hours = 124		<i>effective Fall 2020</i>
<b>FRESHMAN YEAR</b>				
Fall Semester		Spring Semester		
EN 1103	English Composition I	EN 1113	English Composition II (EN 1103)	
MA 1313	College Algebra (ACT subscore 19)*	MA 1323	Trigonometry (C in MA 1313 or ACT subscore of 24)*	
SBP 1103	Intro to Sustainable Bioproducts	SBP 1001	Undergraduate Seminar	
BIO 1134	Biology I	BIO 1144	Biology II	
	Humanities Elective (3)		Social/Behavioral Science Elective (3)	
			Free Elective (3)	
Summer Program				
	SBP 2012	Introduction to Bioproduct Industries		
<b>SOPHOMORE YEAR</b>				
Fall Semester		Spring Semester		
CH 1213 OR CH1234	Chemistry I OR Integrated Chemistry I	CH 1223 OR CH 1244	Chemistry II OR Integrated Chemistry II	
SBP 2123	Materials and Processing of Structural Bioproducts	SBP 3113	Physics of Biomaterials	
CO 1003 OR CO 1013	Public Speaking OR Intro to Communication	SBP 3123	Biomass to Bioproducts	
SBP 3133	Mechanics of Biomaterials	SPB 4013	Wood Anatomy	
	Statistics Elective	EC 2113	Prin of Macroeconomics	
<b>JUNIOR YEAR</b>				
Fall Semester		Spring Semester		
SBP 4313	Bioproducts and the Environment	SBP 4243	Sustainable Bioproducts	
SPB 4113	Adhesives and Composites	SPB 4023	Lignocellulosic Biomass Chemistry	
BCH 4013	Principles of Biochemistry	BIO 3304	General Microbiology	
AELC 3203	Prof Writing ANR Human Sci		Humanities Elective	
			Fine Arts Elective (3)	
<b>SENIOR YEAR</b>				
Fall Semester		Spring Semester		
CH 2503	Elem Organic Chemistry	SBP 4443	Capstone Sustainable Bioproducts	
CH 2501	Elem Organic Chem Lab		SBP Major Course Elective (3-4)	
EPP 3124	Forest Pest Management		SBP Major Course Elective (3-4)	
	SBP Major Course Elective (3)		Professional Elective (3)	
	Free Elective (3)		Professional Elective (3)	

\*Higher level MSU core courses may be taken to complete MA and ST course requirements.

<b>APPROVED SUBSTITUTIONS LIST FOR SUSTAINABLE BIOPRODUCTS SCIENCE CONCENTRATION</b>	
EN 1103 English Composition I	EN 1104 Expanded English Composition I (For students with ACT subscore of 16 or below on ACT-English)
EN 1113 English Composition II	EN 1173 Accelerated Comp I (Requires subscore of 28 or higher on ACT-English) C or better will earn credit for Comp I and II
MA 1313 College Algebra	MA 1103 College Algebra CoReq (ACT-Math subscore of 17 or 18 AND ACT score of 20 or above)
AEC 2713 Intro to Food & Resource Econ	EC 2123 Prin of Microeconomics (Soph Standing)

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<b>SCI</b>		<b>2021-2022 APPROVED ELECTIVES LIST</b> Science Concentration	
<b>SUSTAINABLE BIOPRODUCTS COURSE ELECTIVES</b>		<b>HUMANITIES ELECTIVES (MSU CORE)</b>	
SBP 4000	Directed Individual Study	AAS 1063	Intro to African American Studies
SBP 4123	Lumber Manufacturing	ARC 2313	History of Architecture I
SBP 4133	Biorefinery Processes	ARC 3313	History of Architecture II (ARC 2313)
SBP 4144	Biocomposite Application and Manufacturing	EN 2203	Intro to Lit (EN 1103, EN 1113)
SBP 4153	Biomass Products Manufacturing	EN 2213	English Lit Before 1800 (EN 1103, EN 1113)
SBP 4213	Deterioration and Preservation of Biomaterials	EN 2223	English Lit After 1800 (EN 1103, EN 1113)
SBP 4253	Quantitative Methods in SBP	EN 2243	American Lit Before 1865 (EN 1103, EN 1113)
SBP 4263	Furniture Design and Fabrication	EN2253	American Lit After 1865 (EN 1103, EN 1113)
SBP 4353	Forest Products Marketing	EN 2273	World Lit Before 1600 (EN 1103, EN 1113)
SBP 4450	Undergraduate Research in Sustainable Bioproducts	EN 2283	World Lit After 1600(EN 1103, EN 1113)
SBP 4800	Undergraduate Research	FL 1113-2143	Foreign Language
<b>FINE ARTS ELECTIVES (MSU CORE)</b>		HI 1063	Early US History
ARC 1013	Architectural Appreciation	HI 1073	Modern US History
ART 1013	History of Art I	HI 1163	World History Before 1500
ART 1023	History of Art II	HI 1173	World History After 1500
ART 1113	Art Appreciation	HI 1213	Early Western World
CO 1503	Intro to the Theatre	HI 1223	Modern Western World
HON 3173	Honors Seminar in Fine Arts (SOPH standing)	HI 1313	East Asian Civ to 1300
ID 3643	History of Interiors I	<b>SOCIAL SCIENCE/BEHAVIORAL ELECTIVES (MSU CORE)</b>	
LA 1803	Landscape Architecture Appreciation	ADS 1013	Animal Agriculture & Society: Food for Thought
MU 1103	African American Music	AN 1103	Introduction to Anthropology
MU 1113	His & Apr of Music	AN 1143	Introduction to Cultural Anthropology
MU 1123	American Music App	AN 1543	Introduction to Archaeology
MU 1133	History of Rock and Roll	AN 2403	Introduction to the Study of Language
PE 1323	His & Apr of Dance	CO 1223	Introduction to Communication Theory
PSS 2343	Floral Design	CO 1403	Introduction to the Mass Media
TKI 2413	His & Apr of the Artcrafts	EC 1033	Economics of Social Issues
<b>STATISTICS ELECTIVE</b>		EN 2403	Introduction to the Study of Language
ST 2113	Intro to Stats (ACT math subscore 24 or C in MA 1313)	EPY 2513	Human Growth and Development
ST 3123	Intro to Stat Inf (ACT math subscore 24 or C in MA 1313)	EPY 2513	Human Growth and Development
BQA 2113	Bus State Methods I (MA 1613 or MA 1713 and BIS 1012 or equivalent)	EPY 3503	Principles of Educational Psychology
<b>PROFESSIONAL ELECTIVES (6 HOURS)</b>		EPY 3543	Psychology of Adolescence
Choose any class that is 3000 level or above from the following subjects: ABE (Ag Bio Eng), AEC (Ag Econ), ARC (Architecture), BCH (Biochem), BCS (Build Const Sci), BIO (Biology), BIS (Bis Info Systems), BL (Bus Law), CE (Civil Eng), CH (Chemistry), EC (Economics), EE (Electrical Engr), EG (Engr Graphics), EM (Engr Mech), EPP (Entomology, Plant Path), FIN (Fi- nance), FO (Forestry), GR (Geography), IE (Industrial Eng), TKI (Industrial Tech), LA (Landscape Arch), MGT (Management), MKT (Marketing), MA (Math), ME (Mechanical Eng), NREC (Nat Res Environ Conser), PH (Phys- ics), PS (Political Sci), PSS (Plant Soil Sci), SBP (Sustainable Bioproducts), ST (Statistics), WFA (Wildlife Fish Aquaculture)		FO 4113	Forest Resource Economics (AEC 2713)
		GR 1123	Introduction to World Geography
		GR 2013	Human Geography
		HDFS 1813	Development through the Lifespan
		HON 1173	The West and the Wider World
		HON 3143	Hon Seminar in Soc Sci (SO)(EN 1103, EN 1113)
		PO 1013	Animal Agriculture & Society: Food for Thought
		PS 1113	American Government
		PS 1313	Introduction to International Relations
		PS 1513	Comparative Government
		PSY 1013	General Psychology
		PSY 3073	Psychology of Interpersonal Relations (PSY 1013)
		SO 1003	Introduction to Sociology
		SO 1103	Contemporary Social Problems
SO 1203	Sociology of Families		