

SECTION II: DEPARTMENT OF SUSTAINABLE BIOPRODUCTS

SCI		2025–2026 SUSTAINABLE BIOPRODUCTS MAJOR Science Concentration (Sample Schedule) Total Hours = 121		effective Fall 2024
FRESHMAN YEAR				
Fall Semester		Spring Semester		
EN 1103	English Composition I	EN 1113	English Composition II (EN 1103)	
SBP 1001	Undergraduate Seminar	MA 1323	Trigonometry (C in MA 1313 or MA 1103; or ACT math subscore of 24)*	
SBP 1103	Intro to Sustainable Bioproducts			
BIO 1134	Biology I	BIO 1144	Biology II	
	Humanities Elective (3)	EC 2113	Prin of Macroeconomics	
			Free Elective (3)	
Summer Program				
	SBP 2012	Introduction to Bioproduct Industries		
SOPHOMORE YEAR				
Fall Semester		Spring Semester		
CH 1213	Chemistry I (ACT math subscore of 24 or C in MA 1313)	CH 1223	Chemistry II (C in CH 1213)	
SBP 2123	Materials and Processing of Structural Bioproducts (SBP 2012)	SBP 3113	Physics of Biomaterials (SBP 1103)	
		SBP 3123	Biomass to Bioproducts (CH 1213)	
CO 1003 OR CO 1013	Public Speaking Intro to Communication	SPB 4013	Wood Anatomy (SBP 1103)	
			Social/Behavioral Science Elective (3)	
SBP 3133	Mechanics of Biomaterials			
	Statistics Elective			
JUNIOR YEAR				
Fall Semester		Spring Semester		
SPB 4113	Adhesives and Composites (SBP 2123, SBP 3113 and SBP 3123)	SBP 4243	Sustainable Bioproducts (CH 1213)	
		SPB 4023	Lignocellulosic Biomass Chemistry (CH 1213, CH 1223)	
BCH 4013	Principles of Biochemistry (BIO 1134, CH 2503)	BIO 3304	General Microbiology (CH 1223 or CH 1053)	
	SBP Major Course (3)		Humanities Elective	
	SBP Major Course (3)		Fine Arts Elective (3)	
SENIOR YEAR				
Fall Semester		Spring Semester		
CH 2503	Elem Organic Chemistry (CH 1213 or CH 1043)	SBP 4443	Capstone Sustainable Bioproducts (SR)	
CH 2501	Elem Organic Chem Lab (CH 1211 or CH 1051)		SBP Major Course Elective (3)	
EPP 3124	Forest Pest Management		SBP Major Course Elective (2)	
	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.

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SCI		2025–2026 APPROVED ELECTIVES LIST Science Concentration	
SUSTAINABLE BIOPRODUCTS COURSE ELECTIVES (11 HOURS)		HUMANITIES ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (2 CLASSES)	
SBP 4000	Directed Individual Study	AAS 1063	Intro to African American Studies
SBP 4123	Lumber Manufacturing	AAS 2363	Intro to African American Literature
SBP 4133	Biorefinery Processes	AAS 3013	African American History to 1865
SBP 4153	Biomass Products Manufacturing	AAS 3023	African American History since 1865
SBP 4213	Deterioration and Preservation of Biomaterials	ARC 2313	History of Architecture I
SBP 4253	Quantitative Methods in SBP	ARC 3313	History of Architecture II (ARC 2313)
SBP 4263	Furniture Design and Fabrication	BCS 2013	Construction and Culture
SBP 4353	Forest Products Marketing	EN/FL 2123	Greek and Latin Roots of English
SBP 4450	Undergraduate Research in Sustainable Bioproducts	EN 2203	Intro to Lit (EN 1103, EN 1113)
SBP 4800	Undergraduate Research	EN 2213	English Lit Before 1800 (EN 1103, EN 1113)
CREATIVE DISCOVERY ELECTIVES (MSU CORE) (MUST SATISFY MSU GENERAL EDUCATION) (1 CLASS)		EN 2223	English Lit After 1800 (EN 1103, EN 1113)
AAS 1103	African American Music	EN 2243	American Lit Before 1865 (EN 1103, EN 1113)
ARC 1013	Architectural Appreciation	EN2253	American Lit After 1865 (EN 1103, EN 1113)
ART 1013	Art History Pre-1300s	EN 2273	World Lit Before 1600 (EN 1103, EN 1113)
ART 1023	Art History Post 1300s	EN 2283	World Lit After 1600(EN 1103, EN 1113)
ART 1113	Art Appreciation	EN 2463	Lit and Pop Culture (EN 1113)
ART 2063	Global Contemporary Art	FL 1113-2143	Foreign Language*
ART 2413	Appreciation of Arts & Crafts Movement	HI 1003	History of Science in Six Ideas
CO 1503	Intro to the Theatre	HI 1013	History of Technology in Six Objects
HON 3173	Honors Seminar in Fine Arts (SO)(EN 1113)	HI 1063	Early US History
ID 3643	History of Interiors I	HI 1073	Modern US History
LA 1803	Landscape Architecture Appreciation	HI 1163	World History Before 1500
MU 1103	African American Music	HI 1173	World History After 1500
MU 1113	His & Appr of Music	HI 1213	Early Western World
MU 1123	American Music App	HI 1223	Modern Western World
MU 1133	History of Rock and Roll	HI 1313	East Asian Civ to 1300
MU 1143	History of Jazz	HI 1323	East Asian since 1300
MU 1163	Intro to Music in Film	HI 4683	Europe: The First World War to Hitler
MU 1173	Music of the Beatles	HON 1163	The Quest Begins
MU 2173	Women in Music	HON 3183	Honors Seminar in Humanities (SO) (EN 1113)
MU 3013	Survey of Western Music History I	PHI 1103	Introduction to Philosophy
PE 1323	His & Appr of Dance	PHI 1113	Introduction to Logic
PSS 2343	Floral Design	PHI 1123	Introduction to Ethics
STATISTICS ELECTIVE (MUST SATISFY MSU GENERAL EDUCATION) (1 CLASS)		PHI 3023	History of Western Philosophy I
ST 2113	Intro to Stats (ACT math subscore 24 or C in MA 1313 or MA 1213)	PHI 3033	History of Western Philosophy II
ST 3123	Intro to Stat Inf (ACT math subscore 24 or C in MA 1313)	PHI 3153	Aesthetics
BQA 2113	Bus State Methods I (MA 1613 or MA 1713 and BIS 1012 or equivalent)	REL 1103	Intro to Religion
PROFESSIONAL ELECTIVES (6 HOURS)		REL 3213	World Religions I
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)		REL 3223	World Religions II
		* Chinese, French, German, Greek, Italian, Japanese, Latin, Russian and Spanish	

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SCI

2025–2026 APPROVED ELECTIVES LIST

Science Concentration

SOCIAL SCIENCE/BEHAVIORAL ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (1 CLASS)		APPROVED SUBSTITUTIONS LIST FOR SUSTAINABLE BIOPRODUCTS SCIENCE CONCENTRATION	
ADS 1013	Animal Agriculture & Society: Food for Thought	EN 1103 English Composition I	EN 1104 Expanded English Composition I (For students with ACT subscore of 16 or below on ACT-English)
AEC 2713	Intro to Food and Resource Economics		
AN 1103	Introduction to Anthropology	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
AN 1143	Introduction to Cultural Anthropology		
AN 1543	Introduction to Archaeology	AEC 2713 Intro to Food & Resource Econ	EC 2123 Prin of Microeconomics
AN 2403	Introduction to the Study of Language		
CO 1223	Introduction to Communication Theory	AELC 3203 Prof Writing ANR	MGT 3213 Org Comm (EN 1113, Jr.), BIO 3013 Prof Writing for Biologists (Jr., Bio major or consent of instructor)
CO 1403	Introduction to the Mass Media		
DSCI 2013	Data Science Literacy	CH 1213 Chemistry I	CH 1234 Integrated Chemistry I (extra hour can be applied as SBP Major Course Elective)
EC 1033	Economics of Social Issues (can't be taken if the student already has credit for EC 2113, EC 2123 or AEC 2713)	CH 1223 Chemistry II	CH 1244 Intergrated Chemistry II (extra hour can be applied as SPB Major Course Elective)
EC 2123	Microeconomics		
EN 2403	Introduction to the Study of Language		
EPY 2513	Human Growth and Development		
EPY 3503	Principles of Educational Psychology		
EPY 3543	Psychology of Adolescence		
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		