A MEMORANDUM

DATE: February 4, 2022

TO: Academic Deans Council

FROM: Dr. Andy Perkins
UCCC Chair

RE: Change Notice 6

Listed below are curriculum change proposals which have been recommended by the University Committee Courses and Curricula. Under current procedure, members of the Academic Deans Council may question the approval of these proposals at any time prior to 5:00 p.m. on February 17, 2022 by contacting Dr. Andy Perkins (5-0004) or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered approved automatically.

1. Course Proposals by college/school

ARTS AND SCIENCES

Technical Change GG 1123	**Approved**	**FROM: GG 1123 Survey of Earth Sciences II.** (3). (Prerequisite: GG 1113, or equivalent). Three hours lecture. Origin and development of the Earth through geologic time. Planned primarily as a science elective for the non-geology major. **TO: GG 1123 Survey of Earth Sciences II.** (3). (Prerequisite: GG 1113). Three hours lecture. Origin and development of the Earth through geologic time. Planned primarily as a science elective for the non-geology major. Effective: Fall 2022
Technical Change GG 3603	**Approved**	**FROM: GG 3603 Introduction to Oceanography.** (3). (Prerequisite: GG1113). Three hours lecture. A survey of the basic principles and applications of science to the study of the marine environment. **TO: GG 3603 Introduction to Oceanography.** (3). Three hours lecture. A survey of the basic principles and applications of science to the study of the marine environment. Effective: Fall 2022
Technical Change GG 3613	**Approved**	**FROM: GG 3613 Water Resources.** (3). (Prerequisite: GG 1113 or equivalent or consent of instructor.) Three hours lecture. Introduction to the location, use, recovery and environmental problems of surface and subsurface waters. **TO: GG 3613 Water Resources.** (3). Three hours lecture. Introduction to the location, use, recovery and environmental problems of surface and subsurface waters. Effective: Fall 2022

Technical Change GG 4033/6033	**Approved**	**FROM: GG 4033/6033 Resources and the Environment.** (3). (Prerequisite: Consent of instructor). Three hours lecture. Formation and development of natural resources involving the basic evolution, planning, and design of a typical lignite coal mine, including environmental monitoring and reclamation. **TO: GG 4033/6033 Resources and the Environment.** (3). Three hours lecture. Formation and development of natural resources involving the basic evolution, planning, and design of a typical lignite coal mine, including environmental monitoring and reclamation. Effective: Fall 2022
Technical Change GG 4113/6113	**Approved**	**FROM: GG 4113/6113 Micropaleontology.** (3). (Prerequisite: GG 1123 or equivalent). Three hours lecture. A study of microscopic fossils. May be taken with GG 4201. **TO: GG 4113/6113 Micropaleontology.** (3). (Prerequisite: GG 1123). Three hours lecture. A study of microscopic fossils. May be taken with GG 4201. Effective: Fall 2022
Technical Change GG 4114/6114	**Approved**	**FROM: GG 4114/6114 Mineralogy.** (4). (Prerequisites: GG 1113 and CH 1223, or equivalents). Three hours lecture. Three hours laboratory. The physical and chemical properties of minerals; crystallography, origin, distribution, association, uses, and identification of minerals. **TO: GG 4114/6114 Mineralogy.** (4). (Prerequisites: GG 1113 and CH 1223). Three hours lecture. Three hours laboratory. The physical and chemical properties of minerals; crystallography, origin, distribution, association, uses, and identification of minerals. Effective: Fall 2022

Technical Change GG 4124/6124	**Approved**	**FROM: GG 4124/6124 Petrology.** (4). (Prerequisite: GG 4114 or consent of instructor). Three hours lecture and two hours laboratory. An investigation of important petrological concepts, including magmatic differentiation, classification of igneous and metamorphic rocks, and interpretation of thin sections of the rocks. **TO: GG 4124/6124 Petrology.** (4). (Prerequisite: GG 4114). Three hours lecture and two hours laboratory. An investigation of important petrological concepts, including magmatic differentiation, classification of igneous and metamorphic rocks, and interpretation of thin sections of the rocks. Effective: Fall 2022
Technical Change GG 4133/6133	**Approved**	**FROM: GG 4133/6133 Principles of Paleocology** [sic]. (3). (Prerequisite: GG 1123 or equivalent or consent of instructor). Three hours lecture. A study of paleoecology with special emphasis on marine paleoecology. May be taken with GG 4201. **TO: GG 4133/6133 Principles of Paleoecology.** (3). (Prerequisite: GG 1123). Three hours lecture. A study of paleoecology with special emphasis on marine paleoecology. May be taken with GG 4201. Effective: Fall 2022
Technical Change GG 4153/6153	**Approved**	**FROM: GG 4153/6153. Engineering Geology.** (3). (Prerequisite: GG 1113 or equivalent). Two hours lecture. Two hours laboratory. Application of geologic principles to location and construction of engineering structures; engineering properties of geologic materials; engineering application of equipment used by geologists. **TO: GG 4153/6153. Engineering Geology.** (3). (Prerequisite: GG 1113). Two hours lecture. Two hours laboratory. Application of geologic principles to location and construction of engineering structures; engineering properties of geologic materials; engineering application of equipment used by geologists. Effective: Fall 2022

Technical Change GG 4201/6201	**Approved**	**FROM: GG 4201/6201 Practicum on Paleontology.** (1). (Prerequisites: GG 1123 or equivalent). One hour lecture. Two hours laboratory. Laboratory for GG 4203, but may instead be taken with GG 4113 or GG 4133. A practicum in morphology of fossils, biostratigrapgy, [sic] and paleoecology. **TO: GG 4201/6201 Practicum on Paleontology.** (1). (Prerequisites: GG 1123 and GG 1121). One hour lecture. Two hours laboratory. Laboratory for GG 4203, but may instead be taken with GG 4113 or GG 4133. A practicum in morphology of fossils, biostratigraphy, and paleoecology. Effective: Fall 2022
Technical Change GG 4203/6203	**Approved**	**FROM: GG 4203/6203 Principles of Paleoecology.** (3). (Prerequisites: GG 1123 or equivalents). Three hours lecture. Three hours laboratory. An introductory study of topics in paleobiology. May be taken with GG 4201. **TO: GG 4203/6203 Principles of Paleoecology.** (3). (Prerequisites: GG 1123). Three hours lecture. Three hours laboratory. An introductory study of topics in paleobiology. May be taken with GG 4201. Effective: Fall 2022
Technical Change GG 4233/6233	**Approved**	**FROM: GG 4233/6233 Applied Geophysics.** (3). (Prerequisite: PH 1113 or PH 2213). Consent of instructor). Three hours lecture. A survey of the basic principles and applications of geophysics with major emphasis on petroleum exploration. **TO: GG 4233/6233 Applied Geophysics.** (3). (Prerequisite: PH 1113 or PH 2213). Three hours lecture. A survey of the basic principles and applications of geophysics with major emphasis on petroleum exploration. Effective: Fall 2022

Technical Change GG 4304/6304	**Approved**	**FROM: GG 4304/6304 Principles of Sedimentary Deposits I.** (4). (Prerequisite: GG 4114/6114 or consent of instructor). Three hours lecture. Three hours laboratory. Treatment of sediment and sedimentary rock. Emphasis on texture, fluid processes, deposition, structure, and diagenesis; stratigraphic analysis; and application to subsurface flow systems. **TO: GG 4304/6304 Principles of Sedimentary Deposits I.** (4). (Prerequisite: GG 1113). Three hours lecture. Three hours laboratory. Treatment of sediment and sedimentary rock. Emphasis on texture, fluid processes, deposition, structure, and diagenesis; stratigraphic analysis; and application to subsurface flow systems. Effective: Fall 2022
Technical Change GG 4323/6323	**Approved**	**FROM: GG 4323/6323 Karst Process and Landforms.** (3). (Prerequisite: GG 1113 or consent of instructor). Three hours lecture. Processes of dissolution and the formation of Karst, psudeokarst [sic] features and landscapes. Major impact of diagenesis on rocks, landscape evolution and related subsurface hydrology. **TO: GG 4323/6323 Karst Process and Landforms.** (3). (Prerequisite: GG 1113). Three hours lecture. Processes of dissolution and the formation of Karst, pseudokarst features and landscapes. Major impact of diagenesis on rocks, landscape evolution and related subsurface hydrology. Effective: Fall 2022
Technical Change GG 4403/6403	**Approved**	**FROM: GG 4403/6403 Gulf Coast Stratigraphy.** (3). (Prerequisite: GG 4304 or consent of instructor). Three hours lecture or field trips. Systematic study of the stratigraphy of the Gulf Coast; actual field experience substituted for class work, when conditions permit. **TO: GG 4403/6403 Gulf Coast Stratigraphy.** (3). (Prerequisite: GG 4304). Three hours lecture or field trips. Systematic study of the stratigraphy of the Gulf Coast; actual field experience substituted for class work when conditions permit. Effective: Fall 2022

Technical Change GG 4413/6413	**Approved**	**FROM: GG 4413/6413 Structural Geology.** (3). (Prerequisites: GG 4123 or consent of instructor). Two hours lecture. Two hours laboratory. Application of the principles of mechanics to the forces deforming the rocks of the Earth's crust; emphasis on structures in sedimentary rocks. **TO: GG 4413/6413 Structural Geology.** (3). (Prerequisites: GG 4114). Two hours lecture. Two hours laboratory. Application of the principles of mechanics to the forces deforming the rocks of the Earth's crust; emphasis on structures in sedimentary rocks. Effective: Fall 2022
Technical Change GG 4433/6433	**Approved**	**FROM: GG 4433/6433 Subsurface Methods.** (3). (Prerequisite: GG 4443 and GG 4413, or equivalent). One hour lecture. Four hours laboratory. The study of subsurface geologic methods including contouring, sampling study, various types of logging, and the interpretation of subsurface data. **TO: GG 4433/6433 Subsurface Methods.** (3). One hour lecture. Four hours laboratory. The study of subsurface geologic methods including contouring, sampling study, various types of logging, and the interpretation of subsurface data. Effective: Fall 2022
Technical Change GG 4446/6446	**Approved**	**FROM: GG 4446/6446 Summer Geology Field Camp.** (6). Three hours lecture and three hours lab. Geologic maps, stratographic [sic] columns, structural cross-sections and reports will be prepared based on field data collected by the student. **TO: GG 4446/6446 Summer Geology Field Camp.** (6). **(Prerequisites: GG 4413, GG 4443, and GG 4124).** Three hours lecture and three hours lab. Geologic maps, stratigraphic columns, structural cross-sections and reports will be prepared based on field data collected by the student. Effective: Fall 2022

Technical Change GG 4503/6503	**Approved**	**FROM: GG 4503/6503 Geomorphology.** (3). (Prerequisite: Consent of instructor). Three hours lecture. The origin and characteristics of land forms based on a consideration of geologic processes, stages of development, and geological structure. **TO: GG 4503/6503 Geomorphology.** (3). Three hours lecture. The origin and characteristics of land forms based on a consideration of geologic processes, stages of development, and geological structure. Effective: Fall 2022
Technical Change GG 4523/6523	**Approved**	**FROM: GG 4523/6523 Coastal Environments.** (3). (Prerequisite: GG 1113 or consent of instructor). Three hours lecture. An introduction to world coastal environments, with emphasis upon major shoreline-shaping processes, geographical variation in coastal landforms, human impacts, and environmental concerns. **TO: GG 4523/6523 Coast Environments.** (3). Three hours lecture. An introduction to world coastal environments, with emphasis upon major shoreline-shaping processes, geographical variation in coastal landforms, human impacts, and environmental concerns. Effective: Fall 2022
Technical Change GG 4533/6533	**Approved**	**FROM: GG 4533/6533 Geosciences Study Abroad.** (3). (Prerequisite: consent of instructor). Three hours study abroad. Identification of landforms and geomorphic processes and the field data collection techniques. Emphasis on human-environmental interactions. **TO: GG 4533/6533Geosciences Study Abroad.** (3). Three hours study abroad. Identification of landforms and geomorphic processes and the field data collection techniques. Emphasis on human-environmental interactions. Effective: Fall 2022

Technical Change GG 4613/6613	**Approved**	**FROM: GG 4613/6613 Physical Hydrogeology.** 3 3. (Prerequisite: GG 3613 or consent of instructor). Three hours lecture. Advanced study of the interrelationship of ground water and its geologic environment with emphasis on occurrence, distribution, and movement. **TO: GG 4613/6613 Physical Hydrogeology.** (3). Three hours lecture. Advanced study of the interrelationship of ground water and its geologic environment with emphasis on occurrence, distribution, and movement. Effective: Fall 2022
Technical Change GG 4623/6623	**Approved**	**FROM: GG 4623/6623 Chemical Hydrogeology.** (3). (Prerequisite: CE 3523, CE 8563, or GG 4613/6613 or consent of instructor). Three hours lecture. Advanced study of groundwater and its environment with emphasis on the chemical interaction of water with porous solids and the transport of chemical constituents. **TO: GG 4623/6623 Chemical Hydrogeology.** (3). (Prerequisite: GG 4613). Three hours lecture. Advanced study of groundwater and its environment with emphasis on the chemical interaction of water with porous solids and the transport of chemical constituents. Effective:
Technical Change GG 4633/6633	**Approved**	**FROM: GG 4633/6633 Introduction to Geochemistry.** (3). CH 1223, or consent of instructor). Three hours lecture. Survey of fundamental geochemical principles and methods. Learning in this course will be achieved by participation in analysis of published or unpublished datasets with further interpretation and application to the natural systems. **TO: GG 4633/6633 Introduction to Geochemistry.** (3). (Prerequisite: CH 1223 and GG 1113). Three hours lecture. Survey of fundamental geochemical principles and methods. Learning in this course will be achieved by participation in analysis of published or unpublished datasets with further interpretation and application to the natural systems. Effective: Fall 2022

2. Program Proposals by college/school

FOREST RESOURCES

Technical Change	**Degree:** BS **Major:** Sustainable Bioproducts	**Approved**	See proposal for list of revisions Effective: Spring 2022

All of the proposals were approved with the exception of the following:

Proposals**

Peter L. Ryan

Dr. Peter L. Ryan
Executive Vice Provost for Academic Affairs

17th February 2022
Date

APPROVAL FORM FOR

DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

NOTE: This form is a cover sheet that must accompany the degree program change proposal. The actual proposal should be prepared in accordance with format requirements provided in the *Guide and Format for Curriculum Proposals* published by the UCCC. Both cover sheet and proposal should be submitted to UCCC Mail Stop 9702 (281 Garner Hall), Phone: 325-9410.

College: College of Forest Resources **Department: Sustainable Bioproducts**

Contact Person: Jeanie McNeel **Mail Stop: 9820 E-mail: jam52@msstate.edu**
Nature of Change: TECHNICAL **Date Initiated: 02/01/22 Effective Date: Spr 22**
Current Degree Program Name:

Major: BS Sustainable Bioproducts **Concentration:**
1. **Business**
2. **Science**

New Degree Program Name: BS Sustainable Bioproducts

Major:Sustainable Bioproducts **Concentration:**
1. **Business**
2. **Science**

Summary of Proposed Changes:

To correct errors in Fall 2020 Program Modification:

- **Updated course titles**
- **Made Gen Ed Social/Behavioral Sciences economics requirement EC 2113 removing AEC 2713 and FO 4113.**
- **In the Business Concentration,**
  - **Removed EC 2113 to eliminate duplication**
  - **Made AEC 2713 or EC 2123 a choice to avoid duplication**
  - **Reduced total credits from 24 to 18**
  - **Moved Free Electives line from Major Core to this section**
  - **Increased the Free Electives from 6 to 12 credits to meet 124 total hour requirement**
- **In the Science Concentration**
  - **Moved/Restated Free Electives line from Major Core to this section**

Approved:	Date:
Rubin Shmulsky Digitally signed by Rubin Shmulsky Date: 2022.01.29 13:39:28 -06'00' **Department Head**	1/29/2022
Wes Burger signature only 2022.01.31 07:41:15 -06'00' **Dean of College or School**	1/31/2022
Chair, University Committee on Courses and Curricula	2/4/2022
Peter L. Ryan **Chair, Deans Council**	17th February 2022

DEGREE MODIFICATION OUTLINE FORM -- BS SBP TECHNICAL CHANGE SPRING 2022

Use the chart below to make modifications to an existing undergraduate degree outline. If any General Education (Core) course is acceptable in the category, please indicate by saying "any Gen Ed course". There is no need to type in the whole list. All deleted courses and information should be shown in *italics* and all new courses and information in **bold**. Include the course prefix, number, and title in both columns. Expand this table as needed.

CURRENT Degree Description	PROPOSED Degree Description
Degree: Bachelor of Science Major: Sustainable Bioproducts Concentration: Business Concentration Science Concentration	No change
Students majoring in Sustainable Bioproducts will develop a strong foundation in the manufacturing of wood and fiber-based products, their physical and mechanical properties, environmental implications, marketing, sales, and trading of wood and composite materials composed of agricultural resides and other natural fibers. Besides structural materials, specialty chemicals such as polymers and adhesives from natural resources, and bioenergy such as bio-oils, alcohols, and pelletized fuels are increasingly important to sustainable industrial production. In addition to utilizing the state's timber and agricultural residues, the program seeks to increase the use life of wood and non-wood materials, and to enhance sustainability by use of preservative treatments and developing improved designs.	No change
Business Concentration: (SBP/BUS) Advisors: Dr. Dan Seale, Franklin Center Room 218 Dr. Frank Owens, Franklin Center Room 109 Students majoring in Sustainable Bioproducts will develop a strong foundation in the manufacturing of wood and fiber-based products, their physical and mechanical properties, environmental implications, marketing, sales, and trading of wood and composite materials composed of agricultural resides and other natural fibers. Besides structural materials, specialty chemicals such as polymers and adhesives from natural resources, and bioenergy such as bio-oils, alcohols, and pelletized fuels are increasingly important to sustainable industrial production. In addition to utilizing the state's timber and agricultural residues, the program seeks to increase the use life of wood and non-wood materials, and to enhance sustainability by use of preservative treatments and developing improved designs.	No change
Science Concentration: (SBP/SCI) Advisors: Dr. Beth Stokes, Forest Products Lab, Building 3, Room 3206 Dr. Jason Street, Forest Products Lab, Building 5, Room 5204 Designed for students wishing to pursue a scientific research field, work for a wood products industry in research and development, or for students who intend	No change

to pursue graduate degrees in wood and biomaterials science. Students may choose to focus their elective classes on the testing of physical and mechanical properties of wood, the chemical protection of wood from biotic and abiotic stresses, environmental impacts and issues associated with treatment and disposal of wood and non-wood products, or development of engineered wood products including pelletized fuels, mass timber products, construction elements, engineered wood panels, and other wood and non-wood bioproducts. Across all areas of study, students receive training in sustainability, current industry practices, and the opportunity to interact with industry professionals.			
CURRENT CURRICULUM OUTLINE	Required Hours	**PROPOSED CURRICULUM OUTLINE**	Required Hours
English (Ex: EN 1103 English Comp I): EN 1103 English Composition I OR *EN 1163 Accelerated Comp I* EN 1113 English Composition II OR EN 1173 Accelerated Comp II	*6*	English (Ex: EN 1103 English Comp I): EN 1103 English Composition I OR **EN 1104 Expanded English Composition I** EN 1113 English Composition II OR EN 1173 Accelerated Comp II	**6-7**
Fine Arts (General Education): Any Gen Ed Fine Arts Course	3	Fine Arts (General Education): No change	3
Natural Sciences (2 labs required from Gen Ed): BIO 1134 Biology I BIO 1144 Biology II	8	Natural Sciences (2 labs required from Gen Ed): No change	8
Extra Science (if appropriate) CH 1213 Chemistry I Or CH 1234 Integrated Chemistry I CH 1223 Chemistry II Or CH 1244 Integrated Chemistry II	6-8	Extra Science (if appropriate) No change	6-8
Math (General Education): MA 1313 College Algebra MA 1323 Trigonometry ST 2113 Intro Statistics OR ST 3123 Intro to Statistical Inference OR BQA 2113 Business Stat Methods I	9	Math (General Education): MA 1313 College Algebra **OR MA 1103 College Algebra Coreq** MA 1323 Trigonometry ST 2113 Intro **to** Statistics OR ST 3123 Intro to Statistical Inference OR BQA 2113 Business Stat Methods I	9
Humanities (General Education): Any Gen Ed Humanities Course	6	Humanities (General Education): No change	6
Social/Behavioral Sciences (Gen Ed): Any Gen Ed Social/Behavioral Sciences Course	6	Social/Behavioral Sciences (Gen Ed): **EC 2113 Principles of Macroeconomics**	6

Choose one of the following Economics courses: *AEC 2713 Introduction to Food and Resource Economics* *OR* EC 2113 Principles of Macroeconomics *OR FO 4113 Forest Resource Economics*		Any Gen Ed Social/Behavioral Sciences Course	
Oral Communication CO 1003 Fundamentals of Public Speaking OR CO 1013 Intro to Communication	3	Oral Communication No change	3
Writing Requirement AELC 3203 Professional Writing in *Ag* Science OR MGT 3213 Organizational Communications OR BIO 3013 Professional Writing for Biologists	3	Writing Requirement AELC 3203 Professional Writing in **Agriculture, Natural Resources and Human** Sciences OR MGT 3213 Organizational Communications OR BIO 3013 Professional Writing for Biologists	3
Major Core Courses (Required) SBP 1001 *First Year* Seminar SBP 1103 Intro to Sustainable Bioproducts SBP 2012 Intro to Bioproduct Industries SBP 2123 Materials & Processing SBP 3113 Physics of Biomaterials SBP 3123 Biomass to Bioproducts SBP 4013 Wood Anatomy SBP 4243 Sustainable Bioproducts SBP 4313 Bioproducts & the Environment SBP 4443 Capstone-Sustainable Bioproducts Major Courses Electives: SBP 3133 Mechanics of Biomaterials *SBP 3143 Biomass Characterization & Production* SBP 4000 Directed Individual Study SBP 4023 Lignocellulosic Biomass Chemistry SBP 4113 Adhesives & Composites SBP 4123 Lumber Manufacturing SBP 4133 Biorefinery Processes *SBP 4144 Biocomposite Application and Manufacturing* SBP 4153 *Biological Conversion of* Biomass SBP 4213 Deterioration & Preservation of	27 9-11 *dependent on CH taken	Major Core Courses (Required) SBP 1001 **Undergraduate** Seminar SBP 1103 Intro to Sustainable Bioproducts SBP 2012 Intro to Bioproduct Industries SBP 2123 Materials & Processing **of Structural Bioproducts** SBP 3113 Physics of Biomaterials SBP 3123 Biomass to Bioproducts SBP 4013 Wood Anatomy SBP 4243 Sustainable Bioproducts SBP 4313 Bioproducts & the Environment SBP 4443 Capstone-Sustainable Bioproducts Major Course Electives: SBP 3133 Mechanics of Biomaterials SBP 4000 Directed Individual Study SBP 4023 Lignocellulosic Biomass Chemistry SBP 4113 Adhesives & Composites SBP 4123 Lumber Manufacturing SBP 4133 Biorefinery Processes SBP 4153 Biomass **Products Manufacturing** SBP 4213 Deterioration & Preservation of Biomaterials SBP 4253 Quantitative Methods in SBP SBP 4263 Furniture Design & Fabrication SBP 4353 Forest Products Marketing	27 9-11

Biomaterials SBP 4253 Quantitative Methods in SBP SBP 4263 Furniture Design & Fabrication SBP 4353 Forest Products Marketing SBP 4450 Undergraduate Research in Sustainable Bioproducts Professional Electives Choose any class that is 3000 level or above from the following subjects: ABE, AEC, ARC 2713, BCH, BCS, BIO, BIS, BL, CE, CH, EC, EE, EG, EM, EPP, FIN, FO, GR, IE, TKI, LA, MGT, MKT, MA, ME, NREC, PH, PS, PSS, SBP, ST, WFA *Free electives*	 6 *6*	SBP 4450 Undergraduate Research in Sustainable Bioproducts Professional Electives No change	 6
Concentration Courses Business Concentration: SBP 4253 Quantitative Methods in SB SBP 4353 Forest Products Marketing AEC 2713 Intro to Food & Resource Econ *EC 2113 Principles of Macroeconomics* EC 2123 Principles of Microeconomics MKT 3013 Principles of Marketing FO 4113 Forest Resources Economics FO 4323 Forest Resource Management	 *24*	Concentration Courses Business Concentration: SBP 4253 Quantitative Methods in SBP SBP 4353 Forest Products Marketing AEC 2713 Intro to Food & Resource Econ **OR** EC 2123 Principles of Microeconomics MKT 3013 Principles of Marketing FO 4113 Forest Resources Economics FO 4323 Forest Resource Management **Free electives**	 **18** **12**
Science Concentration: SBP 3133 Mechanics of Biomaterials SBP 4023 Lignocellulosic Biomass Chemistry SBP 4113 Adhesives & Composites CH 2503 Elem Organic Chem CH 2501 Elem Organic Chem Lab BIO 3304 General Microbiology BCH 4013 Principles of Biochemistry EPP 3124 Forest Pest Management	24	Science Concentration: SBP 3133 Mechanics of Biomaterials SBP 4023 Lignocellulosic Biomass Chemistry SBP 4113 Adhesives & Composites CH 2503 Elem Organic Chem CH 2501 Elem Organic Chem Lab BIO 3304 General Microbiology BCH 4013 Principles of Biochemistry EPP 3124 Forest Pest Management **Free electives**	24 **6**
Total Hours	124	Total Hours	124

MISSISSIPPI STATE
UNIVERSITY

Department of Sustainable Bioproducts

Letter of Support for Technical Change of Existing Sustainable Bioproducts Bachelors of Science Degree

Contact person: Jeanie McNeel, 662-325-2119, jam52@msstate.edu

Justification for request:

In Fall 2021, the MSU Registrar's Office alerted the Department of Sustainable Bioproducts of edits needed to the Bachelors of Science Degree in Sustainable Bioproducts. These edits were to correct errors found in their preparing for the transition from CAPP to Degree Works. Examples of edits included

- Updating courses titles of classes modified since the program modification approved in Fall 2020.
- Eliminating duplications which then required adjustments in total credit hours
- Moving the statement on Free Electives to each concentration for clarification

No changes in support including personnel or material requirements are anticipated.

Effective Date: Spring 2022

Effect on other courses and programs: None

The undersigned Curriculum Committee members of Sustainable Bioproducts Department are supportive of the technical change.

Jason Street	Digitally signed by Jason Street DN: cn=Jason Street, o=Mississippi State University, ou=Sustainable Bioproducts, email=jason.street@msstate.edu, c=US Date: 2022.01.31 17:00:06 -06'00'	Date: 1/31/2022
Frank Owens	Frank Owens Digitally signed by Frank Owens DN: cn=Frank Owens, o=Mississippi State University, ou=Dept of Sustainable Bioproducts, email=fco7@msstate.edu, c=US Date: 2022.01.31 16:27:30 -06'00'	Date: 1/31/2022
Beth Stokes	C. Elizabeth Stokes Digitally signed by C. Elizabeth Stokes DN: cn=C. Elizabeth Stokes, o=Mississippi State University, ou=Dept. of Sustainable Bioproducts, email=ces8@msstate.edu, c=US Date: 2022.01.31 15:25:30 -06'00'	Date: 1/31/22