The University Curriculum Committee recommends approval of the following:

1. **New Courses**

   **AMST 330. Intersecting Cultures. (3-0). Credit 3.** Examines the questions of American identity and its construction, especially through cultural encounters in the Americas. Prerequisites: AMST 300 or approval of instructor; junior or senior classification.

   **CHEM 470. Industrial Chemistry. (3-0). Credit 3.** Applications of organic and inorganic chemical reactions in the manufacture of commercial products; chemistry of petroleum refining and petrochemical processing; commodity and fine chemical production; influence of kinetics and thermodynamics on economics of industrial chemical production; pollution abatement technology. Prerequisites: CHEM 228; junior or senior classification.

   **HIST 404. Post 1945 Germanies. (3-0). Credit 3.** Examines Germany from the end of World War II to the end of the 20th century; includes political, social, cultural, and economic life in divided and occupied Germany; covers Germany since reunification in 1990. Prerequisite: Junior or senior classification.

   **IDIS 281. Manufacturing Processes. (3-3). Credit 4.** Survey of metal, polymer and ceramic manufacturing processes including casting, forming (forging, rolling, drawing), machining (turning, milling, grinding), joining (welding, adhesives), cutting and finishing; integrated circuit and PC board manufacturing, rapid prototyping; CAD; CAM; gauging and SPC. Prerequisites: MATH 151; upper division in IDIS.

   **IDIS 403. Mechanical and Fluid Power Technologies. (3-3). Credit 4.** Overview of mechanical and fluid power applications based on the underlying technologies used in industrial motion control applications; exploration of simple mechanisms and their combination into mechanical power systems and limitations; and explanation of power systems with relations to working circuits. Prerequisites: PHYS 202; upper division in IDIS.

   **MODL 484. Internship. (3-0). Credit 3.** Directed internship in a private firm or public agency to provide experience and learning appropriate to the student’s degree program and career objectives. Must be taken on a satisfactory/unsatisfactory basis. Prerequisite: Junior or senior classification.

   **RLEM 305. Watershed Analysis and Planning. (3-0). Credit 3.** Provide an integrated framework for watershed planning that addresses the related biophysical, social and economic issues; comprehensive in scope and approach giving students the tools and techniques for developing sound watershed management policy and practice; water issues, problems and regulations for Texas. Prerequisite: Junior or senior classification.
2. Changes in Courses

AGRO 303. Principles of Crop Production.

Course title
From: Principles of Crop Production.
To: Crop Ecology.

Course description
From: Principles of crop production; species evolution and selection, management of seed germination, growth and development, flowering and maturation; botanical characteristics and environmental response of crop plants are integrated to explain and justify management principles.
To: Ecology of species adaptation and selection and management principles; crop establishment, growth and development, mineral nutrition, productivity and sustainability.

AGRO 308. Forage Crops.

Course description
From: Production, use and identification of major forage crop plants; adapted species and varieties for the Southwest.
To: Description, analysis and evaluation of forage systems in relation to livestock and wildlife production and environmental conservation; principles of selection and management of establishment, weeds, nutrients, grazing and harvest for introduced species.

Credit hours
From: (2-2). Credit 3.
To: (3-0). Credit 3

Prerequisite
From: AGRO 105, BOTN 101, or approval of instructor.
To: Junior or senior classification or approval of instructor.
BIMS 301. Biomedical Sciences Study Abroad.

Course description
From: For students in approved programs abroad. May be repeated for credit. Course will be graded on a satisfactory/unsatisfactory basis.
To: For students in approved programs abroad. May be repeated for credit. Maximum 6 hours free elective credit in the BIMS degree plan. Must be taken on a satisfactory/unsatisfactory basis.

Credit hours
From: (6-0). Credit 6.
To: (12-0). Credit 12.

GEOL 301. Mineral Resources.

Course description
From: Origin, geologic relations, geographic distribution, reserves and uses of exhaustible mineral and energy resources. Not available to geology majors.
To: Origin, geologic relations and geographic distribution of mineral and energy resources; mineral economics, mining and reclamation and global economics in the resource industry; identification and classification of economic minerals including energy resources, base and precious metals, chemical industrial minerals and gemstones.

Prerequisites
From: GEOL 101 or 103 or 308 or 320.
To: GEOL 101 or 320; CHEM 106 or higher.

ELEN 459. Power System Fault Analysis and Protection

Credit hours
From: (2-2). Credit 3.
To: (3-2). Credit 4.
ELEN 460. Power System Operation and Control.

Credit hours
From: (2-2). Credit 3.
To: (3-2). Credit 4.


Course number
From: 210
To: 302

Prerequisites
From: JOUR 102 and JOUR 200
To: JOUR 102, 200 and 203; 2.50 GPR in JOUR 102, 200 and 203; majors only or approval of department head.

JOUR 214. Photojournalism I.

Course number
From: 214
To: 313

Prerequisites
From: None
To: JOUR 102, 200 and 203; 2.50 GPR in JOUR 102, 200 and 203; majors only or approval of department head.

JOUR 326. Television Production II.

Course title:
From: Television Production II
To: Television Production

Description
From: Techniques of producing and directing television programs; creative uses of the medium in complex production situations; color studio design, sets, lighting, visual effects, post-production editing and remote location recording.
To: Theoretical background and practical application of television production; techniques of producing and directing television programs; creative uses of the
medium in complex production situations; color studio design, sets, lighting, visual effects, post-production editing and remote location recording.

Prerequisites
From: JOUR 225
To: JOUR 102, 200 and 203; 2.50 GPR in JOUR 102, 200 and 203; majors only or approval of department head.

3. Changes in Curriculum

College of Agriculture and Life Sciences
B.S. in Forestry

Basic Forest Resource Courses

FRSC 311. Wood Properties and Utilization.

Credit hours
From: (3-2). Credit 4.
To: (2-2). Credit 3.

Forest Resource Management Option.

FRSC 308. Tree Structure and Function. (0-3). Credit 1. A laboratory study of tree biology with emphasis on integrated tree responses to the environment and forestry practices. Prerequisites: BIOL 113 and 114.

FRSC 405. Integrated Forest Resource Analysis and Planning. (3-3). Credit 4. Integration of biophysical, economic and social factors in forest resource analysis, management planning and decision making; applications of interdisciplinary knowledge and multiple-use principles to practical forest management problems. Prerequisite: Senior classification or approval of instructor.

FRSC 306. Forest Mensuration.

Course title
From: Forest Mensuration
To: Forest Measurements

Course description
From: Principles of measuring bolts, logs, wood products and standing timber; sampling forest stands; determining forest volume, growth and yield.
To: Land measurement and mapping; measuring resources; types of volume; the
creation and use of volume equations; principles of forest sampling.

Credit hours
From: (2-3). Credit 3.
To: (3-3). Credit 4.

FRSC 409. Application of Value Chain Optimization to Forest Products.

Course title
From: Application of Value Chain Optimization to Forest Products
To: Manufacturing and Applications of Wood Products

Course description
From: A modern systems management and marketing approach to harvesting,
production and marketing of forest products; application of value chain
optimization in the forest products industry to maximize profits and the
value of the harvest-to-market system.
To: Manufacturing process and operation, grading and specification, process
control and improvement, and marketing and application of major wood
products such as lumber, structural and nonstructural panel, and engineering
products.

Credit hours
From: (2-2). Credit 3.
To: (3-0). Credit 3.

Prerequisite
From: Junior or senior classification.
To: FRSC 311 or approval of instructor.

FRSC 414. Quantitative Methods in Forest Management.

Course title
From: Quantitative Methods in Forest Management
To: Modeling Forest Resources

Course description
From: Quantitative techniques and models useful to forest resource managers for
making decisions including problem analysis, forecasting, uncertainty
models, constrained maximization and simulation; microcomputer
applications.
To: Types of models; model fitting; assumptions, assessment, prediction and simulation; applications in natural resources and forest management.

Prerequisites
From: AGLS 201; FRSC 314; MATH 142; STAT 302
To: AGLS 201; FRSC 306; MATH 141, 142; STAT 302
College of Engineering
B.S. in Industrial Distribution

Course to be withdrawn:
IDIS 242. Computer Applications in Distribution.

ENTC 330. Industrial Electricity.
Course prefix
From: ENTC
To: IDIS

Course number
From: 330
To: 300

Credit hours
From: (2-3). Credit 3.
To: (3-3). Credit 4.

ENTC 430. Industrial Automation.

Course prefix
From: ENTC
To: IDIS

Course number
From: 430
To: 400

Credit hours
From: (2-3). Credit 3.
To: (3-3). Credit 4.

IDIS 344. Distributor Information and Control Systems.

Credit hours
From: (2-3). Credit 3.
To: (3-3). Credit 4.

Prerequisites
From: IDIS 144 or 242; IDIS 343 or 414 or registration therein
To: IDIS 343

**IDIS 430. Selling Distribution Solutions.**

Course title
From: Selling Distribution Solutions
To: Sales Engineering

Credit hours
From: (3-0). Credit 3.
To: (3-2). Credit 4.

**IDIS 444. Strategic Issues in Industrial Distribution.**

Course title
From: Strategic Issues in Industrial Distribution
To: Leadership in Technology

Course description
From: Managing change in a dynamic environment in Industrial Distribution including key success factors involved in firm profitability; negotiation processes, and ethical behavior in achieving economic and social performance.
To: Leading change in an industrial distribution environment including key success factors involved in sales and firm profitability, negotiation processes, and ethical behavior, with an interdisciplinary team-oriented project incorporating ethics, material selection, the design process, development of proposals, project planning and scheduling, project execution and resource scheduling.

Credit hours
From: (3-0). Credit 3.
To: (2-3). Credit 3.
4. Special Consideration

College of Agriculture and Life Sciences
   Department of Rangeland Ecology and Management
   Certificate in Rangeland Ecology and Management
   Watershed Certificate

College of Liberal Arts
   Department of Political Science
   European Union Certificate