

LONG-RANGE PLANS | DEPARTMENT OF BIOSYSTEMS ENGINEERING

Course No	Title	Summer 2024	Fall 2024	Spring 2025	Summer 2025	Fall 2025	Spring 2026	Fall 2025	Spring 2026
BSEN 2210	ENGINEERING METHODS FOR BIOLOGICAL SYSTEMS		M 12:00 PM-1:50 PM, W 12:00 PM-12:50 PM			M 12:00 PM-1:50 PM, W 12:00 PM-12:50 PM		M 12:00 PM-1:50 PM, W 12:00 PM-12:50 PM	
BSEN 2240	BIOLOGICAL AND BIOENVIRONMENTAL HEAT AND MASS TRANSFER			TR 11:00 AM- 12:15 PM			TR 11:00 AM- 12:15 PM		TR 11:00 AM- 12:15 PM
BSEN 3210	MECHANICAL POWER FOR BIOSYSTEMS		TR 8:00 AM-8:50 AM, R 1:00 PM- 3:50 PM			TR 8:00 AM-8:50 AM, R 1:00 PM- 3:50 PM		TR 8:00 AM-8:50 AM, R 1:00 PM- 3:50 PM	
BSEN 3230	NATURAL RESOURCE CONSERVATION ENGINEERING			MW 9:00 AM-9:50 AM, T 12:30 PM-3:20 PM			MW 9:00 AM-9:50 AM, T 12:30 PM-3:20 PM		MW 9:00 AM- 9:50 AM, T 12:30 PM-3:20 PM
BSEN 3240	PROCESS ENGINEERING IN BIOSYSTEMS			MW 10:00 AM- 10:50 AM, W 3:30 PM- 6:20 PM			MW 10:00 AM- 10:50 AM, W 3:30 PM- 6:20 PM		MW 10:00 AM- 10:50 AM, W 3:30 PM-6:20 PM

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BSEN 3260	ENGINEERING FOR PRECISION AGRICULTURE AND FORESTRY		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 3310	HYDRALIC TRANSPORT IN BIOLOGICAL SYSTEMS		MWF 8:00 AM-08:50 AM, T 12:30 PM-3:20 PM			MWF 8:00 AM-08:50 AM, T 12:30 PM-3:20 PM		MWF 8:00 AM-08:50 AM, T 12:30 PM-3:20 PM	
BSEN 3610	INSTRUMENTATION AND CONTROLS FOR BIOLOGICAL SYSTEMS			MW 8:00 AM-08:50 AM, T 3:30 PM-6:30 PM			MW 8:00 AM-08:50 AM, T 3:30 PM-6:30 PM		MW 8:00 AM-08:50 AM, T 3:30 PM-6:30 PM
BSEN 4200	POLYMERS FROM RENEWABLE RESOURCES		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 4210	IRRIGATION SYSTEM DESIGN		MW 8:00 AM-08:50 AM, M 3:00 PM-5:50 PM			MW 8:00 AM-08:50 AM, M 3:00 PM-5:50 PM		MW 8:00 AM-08:50 AM, M 3:00 PM-5:50 PM	
BSEN 4240	BULK BIOLOGICAL SOLIDS BEHAVIOR AND PROCESSING		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 4250	HYDRAULIC CONTROL SYSTEMS DESIGN			TR 8:00 AM-9:15 AM			TR 8:00 AM-9:15 AM		TR 8:00 AM-9:15 AM

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BSEN 4300	PROFESSIONAL PRACTICE IN BIOSYSTEMS ENGINEERING		TR 11:00 AM- 12:15 PM			TR 11:00 AM- 12:15 PM		TR 11:00 AM- 12:15 PM	
BSEN 4310	ENGINEERING DESIGN FOR BIOSYSTEMS			WR 12:30 PM-3:20 PM			WR 12:30 PM-3:20 PM		WR 12:30 PM-3:20 PM
BSEN 4960	SPECIAL PROBLEMS IN BIOSYSTEMS ENGINEERING		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 4970	SPECIAL TOPICS IN BIOSYSTEMS ENGINEERING		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 4980	UNDERGRADUATE RESEARCH		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 5220	GEOSPATIAL TECHNOLOGIES IN BIOSYSTEMS		MW 9:00 AM-9:50 AM, T 3:30 PM- 6:20 PM			MW 9:00 AM-9:50 AM, T 3:30 PM- 6:20 PM		MW 9:00 AM-9:50 AM, T 3:30 PM- 6:20 PM	
BSEN 5230	WASTE MANAGEMENT AND UTILIZATION FOR BIOSYSTEMS			MW 11:00 AM- 11:50 AM, R 3:30 PM- 06:20 PM			MW 11:00 AM- 11:50 AM, R 3:30 PM- 06:20 PM		MW 11:00 AM- 11:50 AM, R 3:30 PM- 06:20 PM
BSEN 5250	DETERMINISTIC MODELING FOR BIOSYSTEMS		T 9:00 AM- 10:45 AM, R 9:00 AM- 10:45 AM			T 9:00 AM- 10:45 AM, R 9:00 AM- 10:45 AM		T 9:00 AM- 10:45 AM, R 9:00 AM- 10:45 AM	

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BSEN 5260	RENEWABLE ENERGY IN BIOSYSTEMS PROCESS OPERATIONS			TR 9:30 AM-10:45 AM			TR 9:30 AM-10:45 AM		TR 9:30 AM-10:45 AM
BSEN 5270	METABOLIC ENGINEERING FOR BIOPROCESS		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 5280	LIFE-CYCLE ASSESSMENT FOR BIOLOGIACL SYSTEMS		MW 8:00AM-8:50AM, F 8:00AM-9:50AM			MW 8:00AM-8:50AM, F 8:00AM-9:50AM		MW 8:00AM-8:50AM, F 8:00AM-9:50AM	
BSEN 5510	ECOLOGICAL ENGINEERING		TR 9:30 AM-10:45 AM			TR 9:30 AM-10:45 AM		TR 9:30 AM-10:45 AM	
BSEN 5520	WATERSHED MODELING			MW 10:00 AM-10:50 AM, M 3:30 PM-06:20 PM			MW 10:00 AM-10:50 AM, M 3:30 PM-06:20 PM		MW 10:00 AM-10:50 AM, M 3:30 PM-06:20 PM
BSEN 5540	BIOMASS AND BIOFUELS ENGINEERING		MW 10:00 AM-10:50 AM, F 1:00 PM-2:50 PM			MW 10:00 AM-10:50 AM, F 1:00 PM-2:50 PM		MW 10:00 AM-10:50 AM, F 1:00 PM-2:50 PM	
BSEN 5560	SITE DESIGN FOR BIOSYSTEMS		MW 11:00 AM-			MW 11:00 AM-		MW 11:00 AM-	

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			11:50 AM, T 12:30 PM-3:20 PM			11:50 AM, T 12:30 PM-3:20 PM		11:50 AM, T 12:30 PM-3:20 PM	
BSEN 6220	GEOSPATIAL TECHNOLOGIES IN BIOSYSTEMS		MW 9:00 AM-9:50 AM, T 3:30 PM-6:20 PM			MW 9:00 AM-9:50 AM, T 3:30 PM-6:20 PM		MW 9:00 AM-9:50 AM, T 3:30 PM-6:20 PM	
BSEN 6230	WASTE MANAGEMENT AND UTILIZATION FOR BIOSYSTEMS			MW 11:00 AM-11:50 AM, R 3:30 PM-06:20 PM			MW 11:00 AM-11:50 AM, R 3:30 PM-06:20 PM		MW 11:00 AM-11:50 AM, R 3:30 PM-06:20 PM
BSEN 6250	DETERMINISTIC MODELING FOR BIOSYSTEMS		T 9:00 AM-10:45 AM, R 9:00 AM-10:45 AM	TR 9:30 AM-10:45 AM		T 9:00 AM-10:45 AM, R 9:00 AM-10:45 AM	TR 9:30 AM-10:45 AM	T 9:00 AM-10:45 AM, R 9:00 AM-10:45 AM	TR 9:30 AM-10:45 AM
BSEN 6260	RENEWABLE ENERGY IN BIOSYSTEMS PROCESS OPERATIONS		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 6270	METABOLIC ENGINEERING FOR BIOPROCESS		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 6280	LIFE-CYCLE ASSESSMENT FOR BIOLOGICAL SYSTEMS		MW 8:00AM-8:50AM, F			MW 8:00AM-8:50AM, F		MW 8:00AM-8:50AM, F	

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			8:00AM-9:50AM			8:00AM-9:50AM		8:00AM-9:50AM	
BSEN 6510	ECOLOGICAL ENGINEERING		TR 9:30 AM-10:45 AM			TR 9:30 AM-10:45 AM		TR 9:30 AM-10:45 AM	
BSEN 6520	WATERSHED MODELING			MW 10:00 AM -10:50 AM, M 3:30 PM-06:20 PM			MW 10:00 AM -10:50 AM, M 3:30 PM-06:20 PM		MW 10:00 AM -10:50 AM, M 3:30 PM-06:20 PM
BSEN 6540	BIOMASS AND BIOFUELS ENGINEERING		MW 10:00 AM-10:50 AM, F 1:00 PM-2:50 PM			MW 10:00 AM-10:50 AM, F 1:00 PM-2:50 PM		MW 10:00 AM-10:50 AM, F 1:00 PM-2:50 PM	
BSEN 6560	SITE DESIGN FOR BIOSYSTEMS		MW 11:00 AM-11:50 AM, T 12:30 PM-3:20 PM			MW 11:00 AM-11:50 AM, T 12:30 PM-3:20 PM		MW 11:00 AM-11:50 AM, T 12:30 PM-3:20 PM	
BSEN 7110	FUNDAMENTALS OF INSTRUMENTATION FOR BIOLOGICAL SYSTEMS			MW 8:00 AM-8:50 AM, T 3:30 PM-6:20 PM			MW 8:00 AM-8:50 AM, T 3:30 PM-6:20 PM		MW 8:00 AM-8:50 AM, T 3:30 PM-6:20 PM

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									3:30 PM-6:20 PM
BSEN 7140	ALGAE SYSTEMS ENGINEERING		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 7240	BULK SOLIDS STORAGE, HANDLING AND TRANSPORTATION			TR 8:00 AM-9:15 AM			TR 8:00 AM-9:15 AM		TR 8:00 AM- 9:15 AM
BSEN 7510	INTRODUCTION TO LAND AND WATER ENGINEERING		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 7520	INTRODUCTION TO FLUVIAL GEOMORPHOLOGY		TBA	TBA		TBA	TBA	TBA	TBA
BSEN 7900	SPECIAL PROBLEMS IN BIOSYSTEMS ENGINEERING		TBA	TBA	TBA	TBA	TBA	TBA	TBA
BSEN 7950	SEMINAR		R 12:00 PM-12:50 PM	T 12:00 PM-12:50 PM		R 12:00 PM-12:50 PM	T 12:00 PM-12:50 PM	R 12:00 PM-12:50 PM	T 12:00 PM- 12:50 PM
BSEN 7970	SPECIAL TOPICS IN BIOSYSTEMS ENGINEERING	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
BSEN 7990	RESEARCH AND THESIS	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
BSEN 8990	RESEARCH AND DISSERTATION	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
BATM 1110	INTRODUCTION TO TECHNOLOGY DESIGN		MW 9:00 AM-9:50 AM, T 8:00 AM- 10:45 AM			MW 9:00 AM-9:50 AM, T 8:00 AM- 10:45 AM		MW 9:00 AM-9:50 AM, T 8:00 AM- 10:45 AM	
BATM 2110	DIGITAL ANALYTICS IN AGRICULTURE AND TECHNOLOGY			MW 9:00 AM- 09:50 AM, M			MW 9:00 AM- 09:50 AM, M		MW 9:00 AM- 09:50 AM, M

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				1:00 PM-3:00 PM			1:00 PM-3:00 PM		1:00 PM-3:00 PM
BATM 3100	COMPUTER AIDED DESIGN TECHNOLOGY		MW 9:00 AM-9:50 AM, T 8:00 AM-10:45 AM			MW 9:00 AM-9:50 AM, T 8:00 AM-10:45 AM		MW 9:00 AM-9:50 AM, T 8:00 AM-10:45 AM	
BATM 3110	AG TECHNOLOGY GEOSPATIAL APPLICATIONS		MW 10:00 AM-10:50 AM, W 12:30 PM-3:20 PM			MW 10:00 AM-10:50 AM, W 12:30 PM-3:20 PM		MW 10:00 AM-10:50 AM, W 12:30 PM-3:20 PM	
BATM 3500	NATURAL RESOURCE SYSTEMS CONSERVATION		MW 11:00 AM-11:50 AM, W 3:30 PM-6:20 PM			MW 11:00 AM-11:50 AM, W 3:30 PM-6:20 PM		MW 11:00 AM-11:50 AM, W 3:30 PM-6:20 PM	
BATM 3510	AGRICULTURAL POWER AND MACHINERY FUNDAMENTALS		TR 11:00 AM-11:50 AM W 12:30 PM-03:20 PM			TR 11:00 AM-11:50 AM W 12:30 PM-03:20 PM		TR 11:00 AM-11:50 AM W 12:30 PM-03:20 PM	
BATM 3530	AGRICULTURAL PRODUCTION AND		TBA	TBA		TBA	TBA	TBA	TBA

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	PROCESSING FACILITY TECHNOLOGY								
BATM 3560	TURF SYSTEMS IRRIGATION DESIGN			MWF 8:00 AM- 8:50 AM			MWF 8:00 AM- 8:50 AM		MWF 8:00 AM- 8:50 AM
BATM 4100	PROFESSIONAL PRACTICE IN TECHNOLOGY MANAGEMENT		M 12:00 PM-2:50 PM			M 12:00 PM-2:50 PM		M 12:00 PM-2:50 PM	
BATM 4110	TECHNOLOGY CAPSTONE			WR 12:30 PM-03:20 PM			WR 12:30 PM-03:20 PM		WR 12:30 PM- 03:20 PM
BATM 5110	AGRI-INDUSTRIAL ELECTRICAL APPLICATIONS		TR 8:00 AM- 08:50 AM, R 1:00 PM- 3:50 PM			TR 8:00 AM- 08:50 AM, R 1:00 PM- 3:50 PM		TR 8:00 AM- 08:50 AM, R 1:00 PM- 3:50 PM	
BATM 5120	AGRI-INDUSTRIAL ELECTRONICS AND CONTROLS		TR 11:00 AM- 11:50 AM, T 1:00 PM- 3:50 PM			TR 11:00 AM- 11:50 AM, T 1:00 PM- 3:50 PM		TR 11:00 AM- 11:50 AM, T 1:00 PM- 3:50 PM	
BATM 5130	PRECISION AG TECHNOLOGY			M 1:00 PM-03:50 PM TR 9:30 AM- 10:30 AM			M 1:00 PM-03:50 PM TR 9:30 AM- 10:30 AM		M 1:00 PM- 03:50 PM TR 9:30 AM- 10:30 AM

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BATM 5140	COMMERCIAL POULTRY & LIVESTOCK HOUSING		MW 11:00 AM-11:50 AM, R 2:00 PM-4:50 PM			MW 11:00 AM-11:50 AM, R 2:00 PM-4:50 PM		MW 11:00 AM-11:50 AM, R 2:00 PM-4:50 PM	
BATM 5550	PRINCIPLES OF FOOD ENGINEERING TECHNOLOGY		MWF 9:00 AM-9:50 AM, M 1:00 PM-3:50 PM					MWF 9:00 AM-9:50 AM, M 1:00 PM-3:50 PM	
BATM 6110	AGRI-INDUSTRIAL ELECTRICAL APPLICATIONS		TR 8:00 AM-8:50 AM, R 1:00 PM-3:50 PM			TR 8:00 AM-8:50 AM, R 1:00 PM-3:50 PM		TR 8:00 AM-8:50 AM, R 1:00 PM-3:50 PM	
BATM 6120	AGRI-INDUSTRIAL ELECTRONICS AND CONTROLS		TR 11:00 AM-11:50 AM, T 1:00 PM-3:50 PM			TR 11:00 AM-11:50 AM, T 1:00 PM-3:50 PM		TR 11:00 AM-11:50 AM, T 1:00 PM-3:50 PM	
BATM 6130	PRECISION AG TECHNOLOGY			M 1:00 PM-03:50 PM TR 9:30 AM-10:30 AM			M 1:00 PM-03:50 PM TR 9:30 AM-10:30 AM		M 1:00 PM-03:50 PM TR 9:30 AM-10:30 AM
BATM 6140	COMMERCIAL POULTRY & LIVESTOCK HOUSING		MW 11:00			MW 11:00		MW 11:00	

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			AM- 11:50 AM, R 2:00 PM- 4:50 PM			AM- 11:50 AM, R 2:00 PM- 4:50 PM		AM- 11:50 AM, R 2:00 PM- 4:50 PM	
BATM 6550	PRINCIPLES OF FOOD ENGINEERING TECHNOLOGY		MWF 9:00 AM- 9:50 AM, M 1:00 PM-3:50 PM					MWF 9:00 AM- 9:50 AM, M 1:00 PM-3:50 PM	
ENGR 1110- EAB	INTRODUCTION TO BIOSYSTEMS ENGINEERING		T 11:00 AM- 11:50AM, R 3:30PM- 6:20PM	M 1:00PM- 1:50PM, R 3:30PM- 6:20PM		T 11:00 AM- 11:50AM, R 3:30PM- 6:20PM	M 1:00PM- 1:50PM, R 3:30PM- 6:20PM	T 11:00 AM- 11:50AM, R 3:30PM- 6:20PM	M 1:00PM- 1:50PM, R 3:30PM- 6:20PM
FOEN 5710	SYSTEMS ANALYSIS FOR FORESTRY AND BIOLOGICAL OPERATIONS		TBA, F 12:00PM- 3:50PM			TBA, F 12:00PM- 3:50PM		TBA, F 12:00PM- 3:50PM	