



## Five Year Course Planning Schedule (2024 - 2029) - Core Courses

Department of Agricultural and Biosystems Engineering  
Program of Agricultural and Environmental Systems



### CORE COURSES

Code	Course Name	Credits	2024-2025			2025-2026			2026-2027			2027-2028			2028-2029		
			Summer 2024	First Semester	Second Semester	Summer 2025	First Semester	Second Semester	Summer 2026	First Semester	Second Semester	Summer 2027	First Semester	Second Semester	Summer 2028	First Semester	Second Semester
SAGA 3016	COMPUTING AND COMMUNICATION IN AGRICULTURAL AND ENVIRONMENTAL SYSTEMS	3			X			X			X			X			X
SAGA 4008	AGRICULTURAL AND ENVIRONMENTAL SYSTEMS PRACTICUM	3	X			X			X			X			X		
SAGA 4009	MECHANICAL POWER IN AGRICULTURE (Subst. by SAGA 4041)	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAGA 4015	AGRICULTURAL MACHINERY I	3		X	X		X	X		X	X		X	X		X	X
SAGA 4036	SEMINAR IN AGRICULTURAL AND ENVIRONMENTAL SYSTEMS	1		X			X			X			X			X	
SAGA 4037	SEMINAR IN AGRICULTURAL AND ENVIRONMENTAL SYSTEMS	1			Tent.												
SAGA 4041	AGRICULTURAL TRACTORS AND MACHINERY	4			X			X			X			X			X
SAGA 4048	FARM BUILDINGS	3			X			X			X			X			X
SAGA 4129	AGRICULTURAL PRODUCTS PROCESSING	3		X			X			X			X			X	
SAGA 4319	FARM DRAINAGE AND IRRIGATION	3			X			X			X			X			X
SAGA 4335	SOIL AND WATER MANAGEMENT	4		X			X			X			X			X	
SAGA 4505	ELECTROTECHNOLOGY	3			X			X			X			X			X



## Five Year Course Planning Schedule (2024 - 2029) - Elective Courses

Department of Agricultural and Biosystems Engineering  
Program of Agricultural and Environmental Systems



### ELECTIVE COURSES

Code	Course Name	Credits	2024-2025			2025-2026			2026-2027			2027-2028			2028-2029		
			Summer 2024	First Semester	Second Semester	Summer 2025	First Semester	Second Semester	Summer 2026	First Semester	Second Semester	Summer 2027	First Semester	Second Semester	Summer 2028	First Semester	Second Semester
INAG 4418	COMPUTER AIDED DESIGN IN AGRICULTURE	2					X						X				
SAGA 4007	METALWORKING AND WELDING	3						Tent.						Tent.			
SAGA 4017	SAFETY IN AGRICULTURE (Will be revised to 3 cr.)	2		X						X						X	
SAGA 4105	FERMENTATION BIOTECHNOLOGY	3						X						X			
SAGA 4230	PRECISION AGRICULTURE TECHNOLOGIES	3					X						X				
SAGA 4501	RENEWABLE ENERGY IN AGRICULTURE	3			X						X						X
SAGA 5008	GEOGRAPHIC INFORMATION SYSTEM IN NATURAL RESOURCES	3		X						X						X	
SAGA 5125	FOOD PACKAGING	3			X						X						X
SAGA 5126	FOOD SAFETY	3		X						X						X	
SAGA 5305	ECOSYSTEM SERVICES AND ECOHYDROLOGY	3					X						X				
SAGA 5315	MICRO-IRRIGATION SYSTEMS	3						X						X			
SAGA 5317	AGROCLIMATOLOGY	3			X						X						X



## Five Year Course Planning Schedule (2024 - 2029) - Elective Courses by Demand

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### VARIABLE CREDIT ELECTIVE COURSES (BY DEMAND)

Code	Course Name	Credits
SAGA 4010	AGRICULTURAL AND ENVIRONMENTAL SYSTEMS INTERNSHIP	1-6
SAGA 4990	SUPERVISED PROFESSIONAL OCCUPATIONAL EXPERIENCE FOR CO-OP STUDENTS	3-6
SAGA 4991	SPECIAL PROBLEMS IN AGRICULTURAL AND ENVIRONMENTAL SYSTEMS	1-3
SAGA 4992	SPECIAL PROBLEMS IN AGRICULTURAL AND ENVIRONMENTAL SYSTEMS	1-3
SAGA 5991	SPECIAL TOPICS IN AGRICULTURAL AND ENVIRONMENTAL SYSTEMS	1-3
SAGA 5995	PROJECTS IN AGRICULTURAL AND ENVIRONMENTAL SYSTEMS	1-3

### ELECTIVE COURSES (BY DEMAND)

Code	Course Name	Credits
SAGA 4038	AGRICULTURAL HYDROLOGY	3
SAGA 4039	AGRICULTURAL WASTE MANAGEMENT	3
SAGA 4226	MECHANIZED MILKING SYSTEMS	3