

BS in Agricultural Engineering/MBA Sample Study Plan (2017-2018 Catalog)

Land and Water Resources Engineering Option

Degrees	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	Semester 9	Semester 10
B.S. in A E 126 credits (minimum)	Math 165 Calculus I 4 cr	Math 166 Calculus II 4 cr	Math 266 Diff Equations 3 cr	Stat 305 Engr. Statistics 3 cr	ABE 363 Electric Power 4 cr	CE 372 Hydrology 3 cr	ABE 404 Instrumentation 3 cr	Subsurface Elective 3 cr	ABE 415 ABE Design I 2 cr	ABE 416 ABE Design II 2 cr
	Chem 167 Chemistry I 4 cr	Phys 221 Physics I 5 cr	EM 274 Statics 3 cr	ABE 218 Project Mgmt 2 cr	ABE 316 Numerical Meth 3 cr	CE 326 Environ Eng 3 cr	ABE 431 Soil and Water 3 cr	SSH Elective Diversity 3 cr	Geol 201 Geo for Engr 3 cr	IE 305 Eng. Econ 3 cr
	Chem 167L Chemistry Lab 1 cr	ABE 160 Problem Solv. 3 cr	ABE 216 ABE Fund. 3 cr	ME 231 Thermodyn. 3 cr	EM 327 Materials Lab 1 cr	Micro 201 Microbiology 2 cr	Communications Elective 3 cr		Water Quality Elective 3 cr	
	Engl 150 Crit. Thinking 3 cr	ABE 110 Exper. ABE 1 cr	Agron 181 Crop Science 3 cr	EM 324 Mech/Materials 3 cr	EM 378 Mech of Fluids 3 cr	Micro 201L Microbio. Lab 1 cr				
	ABE 170 Engr. Graphics 3 cr	Engl 250 WOVE Comp. 3 cr	Agron 182 Soil Science 3 cr	Biol 251 or 211 Biology 3 cr	GIS Elective 3 cr	ABE Breadth Elective 3 cr				
	Lib 160 Info. Literacy 1 cr			AE 201 Workplace Sem 1 cr	SSH Elective International 3 cr	Computer Graphics Elect 1 cr				
	Engr 101 Engr Orient. R cr					SSH Elective Econ 101 3 cr				
MBA 48 credits (minimum)								Fin 501 Finance 3 cr	Mgmt 503 Bus. & Society 3 cr	MBA Elective 3 cr
							Acct 501 Accounting 3 cr	Mkt 501 Marketing 3 cr	Mgmt 504 Strategy 3 cr	MBA Elective 3 cr
							Econ 532 Economics 3 cr SSH Elective	SCM 501 Supply Chain 3 cr	MBA Elective 3 cr	MBA Elective 3 cr
							Mgmt 502 Org Behavior 3 cr	MIS 501 MIS 3 cr		MBA Elective 3 cr
							BusAd 592 Prof Skills I R cr	BusAd 594 Prof Skills II R cr		
A E 126 cr	16/16	16/32	15/47	15/62	17/79	16//95	12/107	6/113	8/121	5/126
MBA 49 cr							9/9	12/21	11/32	17/49
Shared 10 cr							(3/3)	(0/3)	(2/5)	(5/10)
165 Total Cr	16/16	16/32	15/47	15/62	17/79	16/95	18/113	18/131	17/148	17/165

- The ten shared credits include ECON 532 (SSH Elective) (3 cr), ABE 415/416 (4 cr), and IE 305 (3 cr). ECON 101 is recommended as a SSH elective as a prerequisite to ECON 532 in the MBA.
- The quantitative business analysis course (BUSAD 502) in the MBA is waived if STAT 305 is completed satisfactorily (grade B or better).
- The fifteen credits of MBA electives in Semester 9 and Semester 10 must be 500 level courses from the College of Business.

BS in Agricultural Engineering/MBA Sample Study Plan (2015-2016 Catalog)
Agricultural Power and Machinery Engineering Option

Degrees	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	Semester 9	Semester 10
B.S. in A E 128 credits (minimum)	Math 165 Calculus I 4 cr	Math 166 Calculus II 4 cr	Math/Science Elective 3 cr	Math 266 Diff Equations 3 cr	ABE 363 Electric Power 4 cr	ABE 342 Tractor Power 3 cr	ABE 404 Instrumentation 3 cr	ABE Elective 3 cr	ABE 415 ABE Design I 2 cr	ABE 416 ABE Design II 2 cr
	Chem 167 Chemistry I 4 cr	Phys 221 Physics I 5 cr	EM 274 Statics 3 cr	Stat 305 Eng Statistics 3 cr	ABE 340 Ag Field Mach 3 cr	EM 378 Mech of Fluids 3 cr	ABE 413 Fluid Power 3 cr	SSH Elective Diversity 3 cr	ME 325 Mach. Design 3 cr	Technical Elective 3 cr
	Chem 167L Chemistry Lab 1 cr	ABE 160 Problem Solv. 3 cr	Mat E 273 Mat E Princ 3 cr	ABE 218 Project Mgmt 2 cr	ME 231 Thermodyn. 3 cr	ME 324L Manuf Lab 1 cr	Communication Elective 3 cr		ME 324 Manufacturing 3 cr	IE 305 Eng. Econ 3 cr
	Engl 150 Crit.Thinking 3 cr	ABE 110 Exper. ABE 1 cr	ABE 216 ABE Fund. 3 cr	EM 324 Mech/Materials 3 cr	EM 345 Dynamics 3 cr	Biol 251 or 211 Biology 3 cr				
	ABE 170 Engr. Graphics 3 cr	Engl 250 WOVE Comp. 3 cr	Agron 182 Soil Science 3 cr	SSH Elective Econ 101 3 cr	EM 327 Materials Lab 1 cr	Computer Graphics Elect 2 cr				
	Lib 160 Info. Literacy 1 cr			ABE 201 Workplace Sem 1 cr	SSH Elective International 3 cr	ABE 316 Numerical Meth 3 cr				
	Engr 101 Engr Orient. R cr									
MBA 48 credits (minimum)								Fin 501 Finance 3 cr	Mgmt 503 Bus. & Society 3 cr	MBA Elective 3 cr
							Acct 501 Accounting 3 cr	Mkt 501 Marketing 3 cr	Mgmt 504 Strategy 3 cr	MBA Elective 3 cr
							Econ 532 Economics 3 cr SSH Elective	SCM 501 Supply Chain 3 cr	MBA Elective 3 cr	MBA Elective 3 cr
							Mgmt 502 Org Behavior 3 cr	MIS 501 MIS 3 cr		MBA Elective 3 cr
							BusAd 592 Prof Skills I R cr	BusAd 594 Prof Skills II R cr		
A E 128 cr	16/16	16/32	15/47	15/62	17/79	15/94	12/106	6/112	8/120	8/128
MBA 49 cr							9/9	12/21	11/32	17/49
Shared 10 cr							(3/3)	(0/3)	(2/5)	(5/10)
167 Total Cr	16/16	16/32	15/47	15/62	17/79	15//94	18/112	18/130	17/147	20/167

- The ten shared credits include ECON 532 (SSH Elective) (3 cr), ABE 415/416 (4 cr), and IE 305 (3 cr). ECON 101 is recommended as a SSH elective as a prerequisite to ECON 532 in the MBA.
- The quantitative business analysis course (BUSAD 502) in the MBA is waived if STAT 305 is completed satisfactorily (grade B or better).
- Fifteen credits of MBA electives in Semester 9 and Semester 10 must be 500 level courses from the College of Business.

BS in Agricultural Engineering/MBA Sample Study Plan (2015-2016 Catalog)

Animal Production Systems Engineering Option

Degrees	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	Semester 9	Semester 10
B.S. in A E 128 credits (minimum)	Math 165 Calculus I 4 cr	Math 166 Calculus II 4 cr	Math 266 Diff Equations 3 cr	Stat 305 Eng Statistics 3 cr	ABE 363 Electric Power 4 cr	ABE 478 Wood Frame Str. 3 cr	ABE 404 Instrumentation 3 cr	ABE 469 Grain Process. 3 cr	ABE 415 ABE Design I 2 cr	ABE 416 ABE Design II 2 cr
	Chem 167 Chemistry I 4 cr	Phys 221 Physics I 5 cr	EM 274 Statics 3 cr	ABE 218 Project Mgmt 2 cr	CE 332 Struct. Analy. I 3 cr	CE 333 Str. Steel Design I 3 cr	ME 436 Heat Transfer 3 cr	ABE 475 An Prod Sys 3 cr	IE 305 Eng. Econ 3 cr	An S/Agron Elective 3 cr
	Chem 167L Chemistry Lab 1 cr	ABE 160 Problem Solv. 3 cr	ABE 216 ABE Fund. 3 cr	EM 324 Materials 3 cr	ABE 316 Sys. Modeling 3 cr	SSH Elective International 3 cr	CE 334 Concrete Design 3 cr		ABE Elective 3 cr	ABE 472 Animal Housing 3 cr
	Engl 150 Crit.Thinking 3 cr	ABE 110 Exper. ABE 1 cr	Math/Science Elective 3 cr	ME 231 Thermodyn. 3 cr	EM 378 Mech of Fluids 3 cr	Communications Elective 3 cr				
	ABE 170 Engr. Graphics 3 cr	Engl 250 WOVE Comp. 3 cr	SSH Elective Diversity 3 cr	Biol 211 or 251 Biology 3 cr	EM 327 Materials Lab 1 cr	Computer Graphics Elective 1 cr				
	Lib 160 Info. Literacy 1 cr			ABE 201 Workplace Sem 1 cr	An S 114 Animal Industry 2 cr	SSH Elective Econ 101 3 cr				
	Engr 101 Engr Orient. R cr									
MBA 48 credits (minimum)								Fin 501 Finance 3 cr	Mgmt 503 Bus. & Society 3 cr	MBA Elective 3 cr
							Acct 501 Accounting 3 cr	Mkt 501 Marketing 3 cr	Mgmt 504 Strategy 3 cr	MBA Elective 3 cr
							Econ 532 Economics 3 cr SSH Elective	SCM 501 Supply Chain 3 cr	MBA Elective 3 cr	MBA Elective 3 cr
							Mgmt 502 Org Behavior 3 cr	MIS 501 MIS 3 cr		MBA Elective 3 cr
							BusAd 592 Prof Skills I R cr	BusAd 594 Prof Skills II R cr		
A E 128 cr	16/16	16/32	15/47	15/62	16/78	16//94	12/106	6/112	8/120	8/128
MBA 49 cr							9/9	12/21	14/35	14/49
Shared 10 cr							(3/3)	(0/3)	(5/8)	(2/10)
167 Total Cr	16/16	16/32	15/47	15/62	16/78	16//94	18/112	18/130	17/147	20/167

- The ten shared credits are ECON 532 (SSH Elective) (3 cr), ABE 415/416 (4 cr), IE 305 (or an approved ABE elective) (3 cr). ECON 101 is recommended as a SSH elective as a prerequisite to ECON 532 in the MBA.
- The quantitative business analysis course (BUSAD 502) in the MBA is waived if STAT 305 is completed satisfactorily (grade B or better).
- The fifteen credits of MBA electives in Semester 9 and Semester 10 must be 500 level courses from the College of Business.