

# Land & Water Resources Engineering

## Engineering Electives

ABE 4303C	Structural and Environmental Design	3
ABE 4171C	Power and Machines for Biological Systems	4
ABE 5707C	Agricultural Waste Management	3
ABE 4413C	Postharvest Operations Engineering	3
CCE 4204	Construction Methods and Management	3
CEG 4011	Soil Mechanics	4
CES 3102	Mechanics of Engineering Structures	4
CES 4702	Analysis and Design in Reinforced Concrete	3
CGN 4101	Civil Engineering Cost Analysis	2
CWR 4111	Engineering Hydrology	3
EGN 4032	Professional Issues in Engineering	3
EIN 4354	Engineering Economy	3
ENV 4501	Environmental Hydrology I	3
ENV 4514C	Water and Wastewater Treatment	3
ENV 4601	Environmental Resources Management	2

## Technical Science Electives

ABE 6663	Applied Microbial Biotechnology	3
AEB 3103	Principles of Food and Resource Economics	4
AEB 3413	Economics of Environmental Policy	3
AEB 4434	Land and Water Economics	3
AGR 3001	Environment, Food and Society	3
AGR 3005	Principles of Crop Science	3
AGR 3303	Genetics	3
AGR 4210	Physiology & EC Science	3
AGR 4231C	Forage Science and Range Management	4
ALS 3133	Agricultural and Environmental Quality	3
ANS 3006C	Introduction to Animal Science	4
ANS 3251	Dairy Cattle Management	2
AOM 4434	Precision Agriculture	3
BOT 2010C	Introductory Botany	3
BOT 3503	Introductory Plant Physiology	3
BOT 3503L	Introductory Plant Physiology Lab	2
EES 4102	Wastewater Microbiology 1	2
EES 4102L	Environmental Biology Laboratory	1
EES 4103	Applied Ecology	2
EES 4200	Environmental Chemistry of Carbon Compounds	2
EES 4201	Water Chemistry	3
EES 4241C	Water Analysis	3
ENY 3005	Principles of Entomology	3

FAS 4305C	Introduction to Fishery Science	3
FOR 3004	Forests, Conservation and People	3
FOR 3153C	Forest Ecology	3
FRC 3212	Introduction to Citrus Culture and Production	3
GLY 2026C	Geology for Engineers	3
HOS 3020C	General Horticulture	4
HOS 4304	Horticultural Physiology	3
MCB 2000	Microbiology	3
ORH 3222C	Turfgrass Culture	3
PCB 3034C	Introduction to Ecology	4
PCB 3063	Genetics	3
SOS3022L	Intro to Soils in Environ Lab	1
SOS 4231C	Soils and Land Use	3
SOS 4602C	Soil Physics	3
STA 3032	Engineering Statistics	3
SUR 3331	Photogrammetry	2
SUR 3520	Measurement Science	3
VEC 3221	Commercial Production of Warm Season Vegetables	4
VEC 3222	Commercial Production of Cool Season Vegetables	3
VEC 3943	Vegetable Crop Industries	1

NOTE: Other engineering or technical electives are acceptable if they support the student's degree objectives, and if they are selected in consultation with the Undergraduate Student Advisor.