

SEMESTER 1 F	CH 1213 Chemistry I	CH 1211 Invst in Chem I	**Humanities Elective (3h)	BIO 1134 Biology I	MA 1713 Calculus I	EN 1103 English Comp I	F ABE 1911 Engr in Life Sci	18
SEMESTER 2 S	CH 1223 Chemistry II	CH 1221 Invst in Chem II	PH 2213 Physics I	Bio Sci Elective (3h)	MA 1723 Calculus II	EN 1113 English Comp II	S ABE 1921 Intro to Eng Des	17
SEMESTER 3 F	Eng or Bio Sci Elective (3h)		PH 2223 L Physics II	EM 2413 Engr Mech I	MA 2733 Calculus III	CSE 1233 Comp Prog w/ C		15
SEMESTER 4 S	Soc / Beh Sci Elective (3h)			EM 2433 Engr Mech II	MA 2743 Calculus IV	Eng or Math (Bio Sci) Elective (3h)	S ABE 4803 Biosy Simulation	15
SEMESTER 5 F	CH 2503 Elem Organic	CH 2501 Elem Organic Lab	EM 3313 Fluid Mechanics	EM 3213 Mech of Materials	MA 3253 Diff Equations	F ABE 3413 L Bio Instrum I		16
SEMESTER 6 S	BIO 3304 L Gen Microbio	S ABE 3813 L Biophy Prop of Mat	S ABE 3303 Trans in Biol Eng	ABE 4263 Soil Water Engr		S ABE 4423 L Bio Instrum II		16
SEMESTER 7 F	BCH 4013 Princ of Biochem	*Eng. Elec. (3h) (ETE)	F ABE 4313 Bio Treatment of NPS Pollution	*Eng. Elec. (3h) (ETE)	ABE 4911 Seminar (1h)	F ABE 4813 Princ Engr Design		16
SEMESTER 8 S	GE 3513 Tech Writing	**Fine Arts Elective (3h)	Eng. Elective (3h)	**Humanities Elective (3h)		S ABE 4823 Pract Engr Design		15

Updated: April 5, 20

L - Lab Included
 F - Fall
 S - Spring

* Restricted elective course options are listed on the back
 ** University core curriculum elective options are listed on a separate page

Biological Science Electives:

BIO 2503 - Environmental Quality
BIO 2103 Cell Biology
BIO 3103 Genetic with lab
BIO 4213 - Plant Ecology
BIO 3104 - Ecology (with Lab)
BIO 4324 Soil Microbiology with lab
BIO 4404 Environmental Microbiology with lab
BIO 4204 Plant Anatomy
WF 4343 - Pond and Stream Management
WF 4373 - Principles & Practice of Conservation in Agricultural Landscape
WF 3133 - Applied Aquatic Ecology (with Lab)
WF 4222 - Limnology and lab (WF 4221)
ADS 4213 Livestock nutrient analysis
PSS 4333 Soil Conservation
GR 3113 - Conserv. of Natural Resources
GR 4303 Principles of GIS
GR 4313 Advanced GIS
BIO 4204 - Plant Anatomy (with Lab)
BIO 4213 - Plant Ecology (with Lab)
BIO 4324 - Soil Microbiology (with Lab)
BIO 4404 - Environmental Microbiology (with Lab)
BIO 4502 - Toxicology

Engineering Electives:

ABE 2873 - Land Surveying (with Lab)
ABE 4993 Watershed modeling (new)
ABE 4844 Sustainable Community
CE 2803 Environmental Engineering Issues
CE 3801 Eng Eng and Water Resources Eng Lab
CE 3803 Eng Eng and Water Resources Eng
CE 4513 Engineering Hydrology (prerequisite: CE3803)
CE 3813 - Environ/Water Res Engr II (with Lab)
CE 4843 - Advanced Sanitary Analysis
CE 4893 - Hazardous Waste Management
CHE 4613 - Air Pollution Control Design
CHE 4623 Hazardous waste Incineration
CHE 4990 Pollution Abatement and Control
IE 3913 - Engineering Economy I
IE 4173 Occupational Safety Engineering
ECE 3714 Digital Devices and Logic Design
PH 2233 Physics III
EG 1143 Engineering Graphics
ME 3533 Thermodynamics