

College of Agriculture & Life Sciences — Department of Crop and Soil Environmental Sciences - BS ENSC WSCQ
Water Science and Quality Option; Students graduating calendar year 2019

Curriculum for Liberal Education (CLE) Requirements (29 credits)

___ AAEC 1005	(3)	Econ of Food & Fiber (CLE 3)
<i>or</i> ECON 2005		Principles of Economics (CLE 3)
___ AAEC 1006	(3)	Econ of Food & Fiber (CLE 3)
<i>or</i> ECON 2006		Principles of Economics (CLE 3)
___ CHEM 1035	(3)	General Chemistry (CLE 4)
___ CHEM 1045	(1)	General Chemistry Lab (CLE 4)
___ CHEM 1036	(3)	General Chemistry (CLE 4)
___ CHEM 1046	(1)	General Chemistry Lab (CLE 4)
___ ENGL 1105	(3)	First Year Writing (CLE 1)
___ ENGL 1106	(3)	First Year Writing (CLE 1)
___ ENSC 3604	(3)	Fund Env Science (CLE 7)
___ MATH 1025	(3)	Elementary Calculus (CLE 5)
___ MATH 1026	(3)	Elementary Calculus (CLE 5)

Additional Curriculum for Liberal Education (7-9 credits)

CLE Area 2 (Ideas, Cultural Trad.) – select from approved list

_____ (3) _____
_____ (3) _____

CLE Area 6 (Creativity/Aesthetic Exp.) – select from approved list

_____ (1 or 3) _____

Specific Course Requirements for ENSC Major (53 credits)

___ BIOL 1105	(3)	Principles of Biology
___ BIOL 1106	(3)	Principles of Biology
___ CEE 3104	(3)	Intro to Env Engineering
___ CHEM 2535	(3)	Organic Chemistry
___ CHEM 2114	(3)	Analytical Chemistry
___ CHEM 2124	(1)	Analytical Chemistry Lab
___ ALS 1234	(1)	CALS First Year Seminar
___ CSES 3114/3124	(3,1)	Soils, Soils Lab
___ CSES/ENSC 3634	(3)	Physics of Pollution
___ ENSC 4414	(2)	Envir. Monitoring and Analysis
___ CSES/ENSC/CHEM 4734	(3)	Environmental Soil Chemistry
___ CSES/ENSC 4854	(3)	Wetland Soils and Mitigation
___ ENGL 3764	(3)	Technical Writing
___ GEOG 2084 or GEOG 4354	(3)	Intro GIS <i>or</i> Intro Remote Sensing <i>or</i>
<i>or</i> FOR 4114 or BSE 4344		Info Tech Nat Res Mgt <i>or</i> GIS for Engineers
___ GEOS 2104 or GEOS 1004	(3)	Elements of Geo or Physical Geo
___ GEOS 4804	(3)	Groundwater Hydrology
___ MATH 2024	(3)	Intermediate Calculus
___ PHYS 2205	(3)	General Physics
___ STAT 3615	(3)	Biological Statistics

Option Specific Requirements for Water Science and Quality (13 credits)

___ BIOL 2604	(3)	General Microbiology
___ BIOL 2614	(1)	General Microbiology Lab
___ FREC 3104	(3)	Princ of Watershed Hydro
___ CSES/ENSC/BIOL/ CEE 4164	(3)	Env. Microbiology
___ CSES/ENSC 4314	(3)	Water Quality

Technical Electives (Choose at least 12 credits from the list below (or approved by the ENSC Program Director).

___ AAEC 3324	(3)	Env. Sust Development Econ
___ BIOL/ENT 4354	(4)	Aquatic Entomology
___ BIOL 4004	(4)	Freshwater Ecology
___ CSES/ENSC 4444	(3)	Managed Ecosystems
___ CSES/ENSC 4764	(3)	Bioremediation
___ FIW 4624	(3)	Marine Ecology
___ FIW 4534	(3)	Ecology/Manage Wetlands
___ FREC 2324	(1)	Dendrology
___ FREC 4354	(3)	Forest Soils and Watershed Mgt
___ FREC 4374	(3)	Forested Wetlands
___ NR/ALS 4614	(2)	Watershed Assessment
___ *CSES 4964	(1-3)	Experiential Learning (study abroad, internship, or undergraduate research)

No courses may be taken P/F except FREE ELECTIVES.

* No more than 3 credits of experiential learning can be used as a technical elective.

FREE ELECTIVES (minimum 4-6 credits toward graduation)

_____ () _____
_____ () _____

TOTAL CREDITS REQUIRED FOR GRADUATION = 120
with required minimum 2.0 GPA overall and in-major

Note: Some courses listed on this checksheet may have prerequisites. Be sure to consult the University Catalog or check with your Academic Advisor.

Having a grade point average of at least a 2.0, overall and in major (includes classes in BIOL, BSE, CEE, CHEM, CSES, ENSC, ENT, FIW, FREC, GEOS, PHYS).

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Satisfactory Progress Toward Degree

By the end of the academic year in which the student has attempted 60 credits (including transfer, advanced placement, advanced standing and credit by examination), "satisfactory progress" toward a B.S. degree in ENSC will include:

1. Declaring an Option within the ENSC Major
2. Passing the following:

- At least 24 credits that apply to the Curriculum for Liberal Education
- BIOL 1105 and 1106
- ALS 1234, CSES 3114 and 3124
- ENSC 3604
- 12 credits of CHEM
- 9 credits of MATH and/or STAT

Note: A sequence of two foreign language courses is required unless two years of the same high school foreign language or 6 transfer credits of the same foreign language are completed. These credits **do not** count toward graduation requirements.

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