

2017-2018 Advising Checklist  
Requirements for the **B.S. Fishery Resources** degree  
College of Natural Resources

Name: \_\_\_\_\_ Student ID: \_\_\_\_\_ Advisor: \_\_\_\_\_

**Course** (prerequisite classes; notes)

First Year – Fall Semester	CR	GR	Sem
NR 101 - Exploring Natural Resources	2		F
CHEM 101 - Introduction to Chemistry I <b>OR</b> CHEM 111 - Principles of Chemistry I (CHEM 050; or C or better in CHEM 101 or MATH 143)	4		FS
ENGL 101 - Introduction to College Writing (sufficient standardized test score)	3		FS
MATH 108 - Intermediate Algebra	3		FS
^ISEM 101 - Integrated Seminar <b>OR</b> ^General Education Requirement	3		FS
<b>Total Credits</b>	15		

First Year – Spring Semester	CR	GR	Sem
FISH 102 - The Fish & Wildlife Professions	1		S
BIOL 114 - Organisms & Environments	4		FS
COMM 101 - Fundamentals of Public Speaking	2		FS
^ENGL 102 - College Writing & Rhetoric (ENGL 101 or equivalent)	3		FS
^MATH 143 - Pre-calculus Algebra & Analytic Geometry (MATH 108)	3		FS
^ISEM 101 - Integrated Seminar <b>OR</b> ^General Education Requirement	3		FS
<b>Total Credits</b>	16		

Second Year – Fall Semester	CR	GR	Sem
WLF 201 - Fish & Wildlife Applications I (NR 101 or permission)	1		F
WLF 220 <b>OR</b> FOR/REM 221 - Principles of Ecology (BIOL 102/L, 114, 115, or PLSC 205; or perm)	3		FS
FOR/NRS 235 - Society & Natural Resources	3		F
BIOL 115 & 115L - Cells & the Evolution of Life and Lab (Prereq or Coreq: CHEM 101 or 111)	4		FS
MATH 160 - Survey of Calculus (MATH 143 with C or better) <b>OR</b> MATH 170 - Analytic Geometry & Calculus I (MATH 143 with C or better and MATH 144)	4		FS
^ISEM 301 - Great Issues (ENGL 102 and Sophomore standing)	1		FS
<b>Total Credits</b>	16		

Second Year – Spring Semester	CR	GR	Sem
FISH 202 - Fish & Wildlife Applications II (NR 101 or permission)	1		S
BIOL 213 - Principles of Biological Structure & Function (BIOL 115)	4		S
CHEM 275 - Carbon Compounds (CHEM 101 or 111) <b>OR</b> CHEM 277 - Organic Chemistry I (CHEM 112)	3		FS
GEOG 100/100L - Physical Geography <b>OR</b> GEOL 101/101L - Physical Geology <b>OR</b> PHYS 100/100L - Fundamentals of Physics <b>OR</b> PHYS 111/111L - General Physics I (MATH 143) ♦	4		FS FS S FS
STAT 251 - Statistical Methods (MATH 108 or higher)	3		FS
<b>Total Credits</b>	15		

**A student must receive a grade of C or better in each of these indicator courses to register for fish- and wildlife-prefixed upper-division courses and to graduate with a B.S. in Fishery Resources:**

Indicator Courses	CR	GR	Sem
BIOL 114	4		FS
BIOL 213	4		S
FOR/REM 221 OR WLF 220	3		FS
STAT 251	3		FS

Third Year – Fall Semester	CR	GR	Sem
FISH 314 - Fish Ecology (FOR 221, REM 221, WLF 220, or BIOL 314)	3		F
FISH 315 - Fish Ecology Lab (Coreq: FISH 314)	1		F
BIOL 250 - General Microbiology (CHEM 101 or 111)	3		F
BIOL 255 - General Microbiology Lab (Prereq or coreq: BIOL 250)	2		FS
BIOL 310 - Genetics (BIOL 115 or BIOL 250; fall only) <b>OR</b> GENE 314 - General Genetics (BIOL 115 or BIOL 154; spring only)	3		F S
ECON 202 - Principles of Microeconomics	3		FS
<b>Total Credits</b>	15		

Third Year – Spring Semester	CR	GR	Sem
FISH 481 - Ichthyology (BIOL 114, 115, and 213)	4		S
NRS 383 - Nat Res & Ecosystem Service Economics (FOR/NRS 235; and ECON 202 or 272; and MATH 143)	3		S
WLF 371 - Physiological Ecology of Fish & Wildlife (BIOL 213)	3		S
ENGL 313 - Business Writing (ENGL 102; Soph standing) <b>OR</b>	3		FS
ENGL 316 - Environmental Writing (ENGL 102; Jr standing or perm) <b>OR</b>	3		F
ENGL 317 - Technical Writing (ENGL 102; Jr standing or perm) <b>OR</b>	3		FS
ENGL 318 - Science Writing (ENGL 102; Soph standing)	3		S
^General Education Requirement	3		FS
<b>Total Credits</b>	16		

Fall, Spring, or Summer Semester	CR	GR	Sem
FISH <b>OR</b> WLF 398 - Renewable Natural Resource Internship (1 cr Su + 1 cr F; or 2 cr on campus F/S)	2		FS SU

^General Education Requirements: 18-credit minimum

Fourth Year – Fall Semester	CR	GR	Sem
FISH 415 - Limnology (STAT 251 and FOR 221, REM 221, WLF 220, or BIOL 314)	4		F
FISH 418 - Fisheries Management (FISH 314, FISH 481, and STAT 251)	4		F
FOR 375 - Intro to Spatial Analysis for Nat Res Mgmt (college algebra)	3		FS
^General Education Requirement	3		FS
<b>Total Credits</b>	14		

Fourth Year – Spring Semester	CR	GR	Sem
FISH 422 - Concepts in Aquaculture (Prereq or coreq: FISH 481; even yrs) <b>OR</b> FISH 424 - Fish Health Management (BIOL 250; odd yrs)	4		S
Fish 495 - Seminar (Senior standing)	1		S
WLF 448 - Fish and Wildlife Population Ecology (STAT 251; MATH 160 or 170)	4		S
^General Education Requirement	3		FS
Class of your choice	3		FS
<b>Total Credits</b>	15		

**Students must receive a grade of C or better in each fish- and wildlife-prefixed upper-division course listed in the requirements for the B.S. in Fishery Resources.**

**120 total credits are required for the degree**

2017-2018 Advising Checklist  
Requirements for the **Aquaculture** minor  
College of Natural Resources  
Department of Fish and Wildlife Sciences

**All of these courses must be completed:**

Course	CR	GR	Sem*
BIOL 250 - General Microbiology (Prereq or coreq: Chem 101 or 111)	3		F
BIOL 255 - General Microbiology Lab (Prereq or coreq: BIOL 250)	2		FS
FISH 422 - Concepts in Aquaculture (Prereq or coreq: FISH 481; even yrs)	4		Alt/S
FISH 424 - Fish Health Management (Prereq: BIOL 250; odd yrs)	4		Alt/S
FISH 481 - Ichthyology (Prereq: BIOL 114, 115, and 213)	4		S

**Complete two of the following courses:**

Course	CR	GR	Sem*
ASM 107 - Beginning Welding	2		FS
AVS 305 - Animal Nutrition (Recommended prep: BIOL 115 & CHEM 111; Prereq: AVS 109)	3		FS
BUS 321 - Marketing	3		FS
BUS 414 - Entrepreneurship	3		S
FISH 498 - Internship (Dept permission required)	Cr arr		FS

Courses to total 20 credits for this minor

\*Semester in which courses are offered is subject to change