



University Bulletin

Undergraduate Degree Programs

Wildlife and Fisheries Science

University Park, College of Agricultural Sciences (W F S)

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The purpose of the Wildlife and Fisheries Science major is to develop the knowledge, skills, and professional ethics of undergraduates interested in the conservation and management of fish and wildlife and their environments. The curriculum is designed to provide a broad-based science background that incorporates natural resource management principles that prepare our students for a diverse array of opportunities such as graduate school, natural resource management agencies, consulting firms, non-profits, etc. Students can choose from two options: Wildlife option and Fisheries option. Each option enables students to gain greater depth of knowledge in one area of the discipline. Coursework required for the Wildlife option meets The Wildlife Society's requirements for professional certification, and coursework required for the Fisheries option meets the American Fisheries Society's requirements for professional certification.

For the B.S. in Wildlife and Fisheries Science, a minimum of 120 credits is required for the Wildlife option and a minimum of 122 credits is required for the Fisheries option.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits
(21 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

WRITING ACROSS THE CURRICULUM:
(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 3-9 credits

REQUIREMENTS FOR THE MAJOR: 87-95 credits
(This includes 21 credits of General Education courses: 9 credits of GN courses; 6 credits of GQ courses; 3 credits of GS courses; 3 credits of GWS courses.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 69-72 credits

PRESCRIBED COURSES (45 credits)
BIOL 110 GN(4), BIOL 220W GN(4) [\[1\]\(#mnote01\)](#), CHEM 110 GN(3), CHEM 111 GN(1)
(Sem: 1-4)
BIOL 240W GN(4), CHEM 202(3), PHYS 250 GN(4), SOILS 101 GN(3), W F S 209
GN(3) [\[1\]\(#mnote01\)](#) (Sem: 3-4)
ECON 004 GS(3), W F S 300(2) [\[1\]\(#mnote01\)](#), W F S 301(2) [\[1\]\(#mnote01\)](#), W F S

310(3) **[1](#mnote01)** (Sem: 5-6)
W F S 446(3), ENGL 202C GWS(3) (Sem: 7-8)

ADDITIONAL COURSES (18-21 credits)

MATH 110 GQ(4) **[1](#mnote01)** or MATH 140 GQ(4) **[1](#mnote01)**; MATH 111 GQ(2)
or MATH 141 GQ(4) (Sem: 1-2)
AN SC 322(3), BIOL 133 GN(3), BIOL 222(3), or BIOL 230W GN(4); STAT 240 GQ(3) or
STAT 301 GQ(3) (Sem: 3-4)
FOR 350(3) or STAT 460(3) (Sem: 5-6)
AEE 440(3), CAS 211(3), ENGL 416(3), or ENGL 418(3) (Sem: 7-8)

SUPPORTING COURSES AND RELATED AREAS (6 credits)

Select 6 credits in natural resource economics, policy, planning, law, administration, or
human dimensions from departmental list (Sem: 5-8)

REQUIREMENTS FOR THE OPTION: 18-23 credits

FISHERIES OPTION: (22-23 credits)

PRESCRIBED COURSES (10 credits)

W F S 452(2), W F S 453(2) (Sem: 5-6)
W F S 410(3), W F S 463W(3) (Sem: 5-8)

ADDITIONAL COURSES (12-13 credits)

BIOL 141 GN(3), BIOL 142(1); or BIOL 446(3), or AN SC 201(4) (Sem: 5-6)
W F S 407(3), W F S 408(3), or W F S 447W(3) (Sem: 5-8)
ENT 425(3), FOR 470(3), W F S 422(3); W F S 435(3)/E R M 435(3) (Sem: 5-8)
GEOG 160 GS(3), GEOG 363(3), GEOSC 303(3), GEOSC 340(3), GEOSC 412(3), GEOSC
440(3), or GEOSC 452(3) (Sem: 7-8)

WILDLIFE OPTION: (18-19 credits)

PRESCRIBED COURSES (12 credits)

FOR 203(3) (Sem: 3-4)
W F S 407(3), W F S 408(3) (Sem: 5-6)
W F S 447W(3) (Sem: 7-8)

ADDITIONAL COURSES (6-7 credits)

W F S 406(1) or W F S 409(1) (Sem: 5-6)
W F S 410(3), W F S 422(3), W F S 452(2), W F S 453(2), or W F S 463W(3) (Sem: 5-8)
BIOL 414(3), FOR 308(3), HORT 101 GN(3), HORT 138(3), or HORT 445(3) (Sem: 7-8)

[1] A student enrolled in this major must receive a grade of C or better, as specified in
Senate Policy 82-44.

Last Revised by the Department: Summer Session 2008

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This is the official bulletin of The Pennsylvania State University. Programmatic expectations for General Education are those in effect at the time of admission to degree candidacy, and college and major requirements are those in effect at the time of entry to college and major. These are accurately indicated in each student's degree audit.

The University reserves the right to change the requirements and regulations listed here and to determine whether a student has satisfactorily met its requirements for admission or graduation, and to reject any applicant for any reason the University determines to be material to the applicant's qualifications to pursue higher education. Nothing in this material should be considered a guarantee that completion of a program and graduation from the University will result in employment.

The University Faculty Senate has responsibility for and authority over all academic information contained in the Undergraduate Bulletin.