Fisheries and Aquatic Sciences

https://ag.purdue.edu/oap/Pages/major.aspx

120 credits required for graduation

	Credits	Course number	Course Title
Departmental/Program Major Courses (110 credits)			
Required Major Courses (50 credits)			
_____	3	FNR 10300	UCC STS Selective (satisfies Science, Technology & Society Selective for core)
_____	3	FNR 20100	Marine Biology
_____	3	FNR 21000	Natural Resources Information Management
_____	3	FNR 23000	World's Forest and Society
_____	3	FNR 24100	Ecology & Systemics of Fish and Mammals
_____	1	FNR 24200	Laboratory in Ecology & Systemics of Fish and Mammals
_____	3	FNR 25100	Ecology & Systematics of Amphibians, Reptiles, & Birds
_____	1	FNR 25200	Laboratory in Ecology & Systemics of Amphibians, Reptiles and Birds
_____	3	FNR 30500	Conservation Genetics
_____	3	FNR 35100	Aquatic Sampling Techniques
_____	2	FNR 37000	Natural Resource Practicum
_____	4	FNR 37100	Fisheries and Aquatic Sciences Practicum
_____	3	FNR 37500	Human Dimensions of Natural Resource Management
_____	3	FNR 40800	Natural Resources Planning
_____	3	FNR 45200	Aquaculture
_____	3	FNR 45300 or FNR 45500	Fish Physiology Fish Ecology
_____	3	FNR 45400	Fisheries Science and Management
_____	1	FNR 47000	Fundamentals of Planning
_____	2	FNR 52600 or FNR 52700	Ecotoxicology Aquatic Animal Health
Major Selectives (6 credits) (See Advising Resources)			
_____	3	_ _ _ _ _ _ _	FNR Physcal science selective
_____	3	_ _ _ _ _ _ _	FNR Physcal science selective
Other Departmental /Program Course Requirements (82 credits) (See Advising Resources)			
_____	0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University
_____	0.5	AGR 11900	Introduction to FNR Academic Programs
_____	3	AGRY 25500 or AGRY 27000	Soil Science or Forest Soils
_____	4	BIOL 11000	Fundamentals of Biology I
_____	2	BIOL 28600	Intorduction to Ecology and Evolution
_____	4	BTNY 11000	Introduction to Plant Science
_____	3	CHM 11100	General Chemistry (satisfies Science #1 for core)
_____	3	CHM 11200	General Chemistry (satisfies Science #2 for core)
_____	3	MA 16010	Applied Calculus I (satisfies Quantitative Reasoning for core)
_____	3	MA 16020	Applied Calculus II
_____	3	POL 22300	Introduction to Environmental Policy
_____	3	STAT 30100	Elementary Statistical Methods
_____	3	_ _ _ _ _ _ _	FNR Economics Selective (satisfies Human Culture Behavioral/Social Science for core)
_____	3	_ _ _ _ _ _ _	Ethics Selective (satisfies Human Cultures Humanities for core)
_____	3	_ _ _ _ _ _ _	Humanities or Social Science Selective
_____	3	_ _ _ _ _ _ _	Humanities or Social Science Selective
_____	4	ENGL 10600	First-Year Composition (satisfies Written Communication for core) (satisfies Information Literacy for core)
_____	3	COM 11400 or COM 21700	Fundamentals of Speech Communication or Science Writing and Presentation (satisfies Oral Communication for core)
_____	3	_ _ _ _ _ _ _	Written or Oral Communication Selective
Electives (10 credits)			
_____	10	_ _ _ _ _ _ _	Elective

University Core Requirements:

Human Cultures Humanities: _____ *Science, Technology, and Society:* _____
Human Cultures Behavioral/Social Science: _____ *Written Communication:* _____
Information Literacy: _____ *Oral Communication:* _____
Science #1: _____ *Quantitative Reasoning:* _____

120 semester credits required for Bachelor of Science degree.
2.0 GPA required for Bachelor of Science degree.

College of Agriculture & University Level Requirements:

2.0 GPA required for Bachelor of Science degree.
32 Upper division credits taken from Purdue
9 credits International Understanding: _____ _____ _____
3 credits Multicultural Awareness: _____
9 credits of Hum and/or Social Sciences outside the College of Agriculture: _____ _____ _____

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Credits	Course number	Course Title	Prerequisites	Credits	Course number	Course Title	Prerequisites
	Fall 1st Year				**Spring 1st Year**		
0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University		4	BTNY 11000	Introduction to Plant Science	
0.5	AGR 11900	Introduction to FNR Academic Programs		3	CHM 11200	General Chemistry II	CHM 11100
4	BIOL 11000	Fundamentals of Biology I		3	COM 11400 or COM 21700	Fundamentals of Speech or Science Writing and Presentation	
3	CHM 11100	General Chemistry		3	FNR 10300	Introduction to Environmental Conservation	
4	ENGL 10600	First-Year Composition		3	MA 16020	Applied Calculus II	MA 16010
3	MA 16010	Applied Calculus I	ALEKS 75+				
15				**16**			

	Fall 2nd Year				**Spring 2nd Year**		
3	FNR 20100	Marine Biology	BIOL 11000	3	AGRY 25500 or AGRY 27000	Soil Science or Forest Soils	CHM 11200
3	FNR 24100	Ecology & Systematics of Fisheries & Mammals	C- or better in BIOL 11000 or BNTY 11000	2	BIOL 28600	Introduction to Ecology & Evolution	BIOL 11000, BTNY 11000
1	FNR 24200	Laboratory in Ecology & Systematics of Fishes & Mammals	BIOL 11000 or BTNY 11000	3	FNR 21000	Natural Resource Information Management	
3	STAT 30100	Elementary Statistical Methods		3	FNR 25100	Ecology & Systematics of Amphibians, Reptiles, & Birds	C- or better in BIOL 11000 or BNTY 11000
3	_ _ _ _ _ _ _	FNR Economics Selective		1	FNR 25200	Laboratory in Ecolgy & Systematics of Amphibians, Reptiles, & Birds	BIOL 11000 or BTNY 11000
3	_ _ _ _ _ _ _	Written or Oral Communication Selective		3	FNR 35100	Aquatic Sampling Techniques	FNR 24200, MA 22300
16				**15**			

	Summer Session		
2	FNR 37000	Natural Resource Practicum	FNR 24200, 35100
4	FNR 37100	Fisheries & Aquatic Sciences Practicum	FNR 37000
6			

	Fall 3rd Year				**Spring 3rd Year**		
3	FNR 23000	World's Forests & Society		3	FNR 30500	Conservation Genetics	BIOL 28600, STAT 30100
3	FNR 45400	Fisheries Science & Management	MA 22400, STAT 30100, FNR 20100	3	FNR 37500	Human Dimensions of Natural Resource Management	POL 22300
3	POL 22300	Introduction to Environmental Policy		3	FNR 45500 or FNR 45300	Fish Ecology or Fish Physiology	C- or better in FNR 20100, 24100, 24200
3	_ _ _ _ _ _ _	Humanities or Social Science Selective		3	_ _ _ _ _ _ _	Physical Science Selective	
				3	_ _ _ _ _ _ _	Elective	
12				**15**			

	Fall 4th Year				**Spring 4th Year**		
1	FNR 47000	Fundamentals of Planning		3	FNR 40800	Natural Resource Planning	FNR 37000, 37500, 45400
2	FNR 52600 or FNR 52700	Ecotoxicology or Aquatic animal health	C- of better in BIOL 11000, CHM 11100	3	FNR 45200	Aquaculture	C- or better in FNR 20100, 24100, 24200
3	_ _ _ _ _ _ _	Ethics Selective		3	_ _ _ _ _ _ _	Humanities or Social Science Selective	
3	_ _ _ _ _ _ _	Physical Science Selective		4	_ _ _ _ _ _ _	Elective	
3	_ _ _ _ _ _ _	Elective					
12				**13**			

120 semester credits required for Bachelor of Science degree.
2.0 GPa required for Bachelor of Science degree.

The highlighted course is considered critical; timely progress toward the degree depends upon steady progress through each course in the plan of study, but this course, in particular, should be completed by the semester indicated.

Consultation with an advisor may result in an altered plan customized for an individual student.

Official and complete prerequisite lists are in the course catalog; the incomplete listing presented here regards this program and course sequencing.