

Fisheries and Aquatic Sciences

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

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	Fundamentals of Speech Communication	
3	CHM 11100	General Chemistry		3	FNR 10300	Introduction to Environmental Conservation	
4	ENGL 10600	First-Year Composition		3	MA 22400	Introductory Analysis II	MA 22300 (C- or better)
3	MA 22300	Introductory Analysis I	ALEKS 65+				
15				16			

Fall 2nd Year				Spring 2nd Year			
3	FNR 20100	Marine Biology	BIOL 11000 C- or better in BIOL 11000 or BNTY 11000	3	AGRY 27000	Soil Science or Forest Soils	CHM 11200
3	FNR 24100	Ecology & Systematics of Fisheries & Mammals	BIOL 11000 or BTNY 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 Written or Oral		1	FNR 25200	Laboratory in Ecology & Systematics of Amphibians, Reptiles, & Birds	BIOL 11000 or BTNY 11000
3	-----	Communication Selective		3	FNR 35100	Aquatic Sampling Techniques	FNR 24200, MA 22300
16				15			

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

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

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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
	FNR 45300 or	Fish Physiology
3	FNR 45500	Fish Ecology
3	FNR 45400	Fisheries Science and Management
1	FNR 47000	Fundamentals of Planning
	FNR 52600 or	Ecotoxicology
2	FNR 52700	Aquatic Animal Health
Major Selectives (6 credits) (See Advising Resources)		
3	-----	FNR Physical science selective
3	-----	FNR Physical 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
4	BIOL 11000	Fundamentals of Biology I
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 22300	Introductory Analysis I (satisfies Quantitative Reasoning for core)
3	STAT 30100	Elementary Statistical Methods
	AGRY 25500 or	
3	AGRY 27000	Soil Science or Forest Soils
3	MA 22400	Introductory Analysis II
		First-Year Composition (satisfies Written Communication for core) (satisfies Information Literacy for core)
4	ENGL 10600	Literacy for core)
3	COM 11400	Fundamentals of Speech Communication (satisfies Oral Communication for core)
3	-----	Written or Oral Communication Selective
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
3	POL 22300	Introduction to Environmental Policy
2	BIOL 28600	Intorduction to Ecology and Evolution
Electives (10 credits)		
10	-----	Elective

University Core Requirements:

Human Cultures Humanities:	<u> Ethics Selective </u>	Science, Technology, and Society:	<u> FNR 10300 </u>
Human Cultures Behavioral/Social Science:	<u> Economics Selective </u>	Written Communication:	<u> ENGL 10600 </u>
Information Literacy:	<u> STAT 30100 </u>	Oral Communication:	<u> COM 11400 </u>
Science #1:	<u> CHEM 11100 </u>	Quantitative Reasoning:	<u> MA 22300 </u>
Science #2:	<u> CHEM 11200 </u>		

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