Fisheries & Aquatic Sciences

Forestry and Natural Resources Department / College of Agriculture

COA-FNR-BS / Major: FAQS 201710
120 Credits for graduation

Name:_____ **PUID:**_____ **Date:** _____

Required Major Courses (53 credits)

_____ (3) FNR 10300 Introduction to Environmental Conservation (satisfies Science, Technology & Society Selective for core)
_____ (3) FNR 20100 Marine Biology
_____ (3) FNR 21000 Natural Resources Information Management
_____ (3) FNR 22310 or POL 22300 Introduction to Introduction to Environmental Policy
_____ (3) FNR 23000 World's Forest and Society
_____ (3) FNR 24150 Ecology & Systematics of Fish, Amphibians, and Reptiles
_____ (1) FNR 24250 Laboratory in Ecology & Systematics of Fish, Amphibians, and Reptiles
_____ (3) FNR 25150 Ecology & Systematics of Mammals and Birds
_____ (1) FNR 25250 Laboratory in Ecology & Systematics of Mammals and Birds
_____ (3) FNR 30500 Conservation Genetics
_____ (3) FNR 35100[cc] Aquatic Sampling Techniques
_____ (1) FNR 37010 Natural Resource Practicum
_____ (5) 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 Fish Physiology Or FNR 45500 Fish Ecology
_____ (3) FNR 45400 Fisheries Science and Management
_____ (1) FNR 47000 Fundamentals of Planning
_____ (2) FNR 52600 Aquatic Animal Health Or FNR 52700 Ecotoxicology

Major Selectives (6 credits) (See Advising Resources)

_____ (3) FNR Physical science selective[5]
_____ (3) FNR Physical science selective[5]

Other Departmental/ Program Course Requirements (51 credits)

_____ (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 Soil Science Or AGRY 27000 Forest Soils
_____ (4) BIOL 11000 Fundamentals of Biology I
_____ (2) BIOL 28600 Introduction to Ecology and Evolution
_____ (4) BTNY 11000 Introduction to Plant Science
_____ (4) CHM 11100 General Chemistry *(satisfies Science #1 for core)*
_____ (4) 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
_____ (1) BCHM 30900 Biochemistry Lab
_____ (3) MA 16010 Applied Calculus I *(satisfies Quantitative Reasoning for core)*
_____ (3) MA 16020 Applied Calculus II
_____ (3) STAT 30100 Elementary Statistical Methods *(satisfies Information Literacy for core)*
_____ (3) FNR Economics Selective *(satisfies Human Culture Behavioral/Social Science for core)* [3]
_____ (3) Ethics Selective *(satisfies Human Cultures Humanities for core)* [4]
_____ (3) Humanities or Social Science Selective[1]
_____ (3) Humanities or Social Science Selective[1]
_____ (4) ENGL 10600 First-Year Composition *(satisfies Written Communication for core) (satisfies Information Literacy Selective for core)*
_____ (3) COM 11400 Fundamentals of Speech Communication or *COM 21700* Science Writing and Presentation *(satisfies Oral Communication for core)*
_____ (3) Written or Oral Communications Selective[2]

Electives (10 credits)

_____ (10) Elective

University Core Requirements (http://www.purdue.edu/provost/initiatives/curriculum/course.html)

Human Cultures Humanities	☐ _____	*Science, Technology & Society Selective*	☐ _____
Human Cultures Behavioral/Social Science	☐ _____	*Written Communication*	☐ _____
Information Literacy	☐ _____	*Oral Communication*	☐ _____
Science Selective	☐ _____	*Quantitative Reasoning*	☐ _____
Science Selective	☐ _____		

College of Agriculture & University Level Requirements (https://ag.purdue.edu/oap/Pages/core_requirements.aspx)

3 credits Multicultural Awareness	☐ _____		
9 credits International Understanding	☐ _____	☐ _____	☐ _____
9 credits of Hum. And/or Social Sciences outside the College of Agriculture	☐ _____	☐ _____	☐ _____
3 credits of Hum. And/or Social Science at 30000 or higher	☐ _____		

Fisheries and Aquatic Sciences

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite
0.5	AGR 10100 Introduction to the College of Agriculture and Purdue University	
0.5	AGR 11900 Introduction to FNR Academic Programs	
4	CHM 11100 General Chemistry	
4	BIOL 11000 Fundamentals of Biology I	
3	ENGL 10600 First-Year Composition	
3	MA 16010 Applied Calculus I	ALEKS 75+
15		

Credits	Spring 1st Year	Prerequisite
4	BTNY 11000 Introduction to Plant Science	
3	CHM 11200 General Chemistry II	CHM 11100
3	COM 11400 Fundamentals of Speech or COM 21700 Science Writing and Presentation	
3	FNR 10300 Introduction to Environmental Conservation	
3	MA 16020 Applied Calculus II	MA 16010
16		

Credits	Fall 2nd Year	Prerequisite
3	FNR 20100 Marine Biology	C- or better in BIOL 11000
3	FNR 24150 Ecology & Systematics of Fish, Amphibians, and Reptiles	
1	FNR 24250 Laboratory in Ecology & Systematics of Fish, Amphibians, and Reptiles	C- or better in BIOL 11000
3	STAT 30100 Elementary Statistical Methods	
3	FNR Economics Selective	
3	Written or Oral Communication Selective	
16		

Credits	Spring 2nd Year	Prerequisite
3	AGRY 25500 Soil Science or AGRY 27000 Forest Soils	CHM 11100
2	BCHM 30900 Biochemistry Lab	BIOL 11000
3	FNR 21000 Natural Resource Information Management	
3	FNR 25150 Ecology & Systematics of Mammals and Birds	C- or better in BIOL 11000
1	FNR 25250 Laboratory in Ecology & Systematics of Mammals and Birds	BIOL 11000 or BTNY 11000
3	FNR 35100[cc] Aquatic Sampling Techniques	C- or better in FNR 24250, FNR 25250 MA 16010, STAT
15		

Credits	Summer Session	Prerequisite
1	FNR 37010 Natural Resource Practicum	FNR 21000, 35100
5	FNR 37100 Fisheries & Aquatic Sciences Practicum	FNR 24250, 37010, 35100
6		

Credits	Fall 3rd Year	Prerequisite
3	FNR 23000 World's Forests & Society	
3	FNR 45400 Fisheries Science & Management	
3	FNR 22310 Introduction to Environmental Policy Or POL 22300 Introduction to Environmental Policy	
3	Humanities or Social Science Selective	
12		

Credits	Spring 3rd Year	Prerequisite
3	FNR 30500 Conservation Genetics	BIOL 28600, STAT 30100
3	FNR 37500 Human Dimensions of Natural Resource Management	POL 22300
3	FNR 45300 Fish Physiology or FNR 45500 Fish Ecology	C- or better in FNR 20100, 24100, 24200
3	FNR Physical Science Selective	
3	Elective	
15		

Credits	Fall 4th Year	Prerequisite
1	FNR 47000 Fundamentals of Planning	
2	FNR 52600 Aquatic animal health or FNR 52700 Ecotoxicology	C- of better in BIOL 11000, CHM 11100
3	Ethics Selective	
3	FNR Physical Science Selective	
3	Elective	
12		

Credits	Spring 4th Year	Prerequisite
3	FNR 40800 Natural Resource Planning	FNR 37000, 37500, 45400
3	FNR 45200 Aquaculture	C- or better in FNR 20100,
3	Humanities or Social Sciences Selective	
4	Electives	
4		
13		

1) 120 credits listed above are required for Bachelor of Science degree.

2) 2.0 Graduation GPA required for Bachelor of Science degree.

3) 32 credits of upper division courses (30000 level or higher) must be taken at Purdue University, West Lafayette.

4) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, I AND IF).

5) CC = is considered a critical course

See next page for all supplemental Information

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The student is ultimately responsible for knowing and completing all degree requirements.
myPurdue Plan is knowledge source for specific requirements and completion

FAQS Supplemental Information

All prerequisites must be met

[1]Humanities and Social Science Selective (6 credits)

See approved list at: https://ag.purdue.edu/oap/pages/core-social_humanities.aspx

[2]Written or Oral Communication Selective (3 credits)

AGR 20100 Communication Across Culture
ASL 10000-59900
COM 20000-59900
ENGL 20000-59900
YDAE 44000 Methods of Teaching Agriculture Education

[3]FNR Economics Selective (3 credits)

AGEC 20300 Introductory Microeconomics Food and Agribusiness
AGEC 20400 Introduction to Resources Economics and Environmental Policy
ECON 25100 Microeconomics

[4]Ethics Selective (3 credits)

PHIL 11000 Ethics
PHIL 28000 Ethics and Animals
PHIL 29000 Environmental Ethics

[5]FNR Physical Science Selective (6 credits)

AGRY 10000-59999
ASTR 10000-59999
CHEM 10000-59999
EAPS 10000-59999
PHYS 10000-59999