Forestry

Forestry and Natural Resources Department / College of Agriculture

COA-FNR-BS / Major: FORS 201710
124 Credits for graduation

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

Required Major Courses (52 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 22310 Introduction to Introduction to Environmental Policy or POL 22300
_____ (3) FNR 22500[cc] Dendrology
_____ (3) FNR 23000 World's Forest and Society
_____ (3) FNR 30110 Sustainable Forest Products and Manufacturing
_____ (3) FNR 33100 Forest Ecosystems
_____ (3) FNR 33900 Principles of Silviculture
_____ (3) FNR 35300[cc] Natural Resources Measurement
_____ (3) FNR 35500 Quantitative Methods for Resource Management
_____ (3) FNR 35700 Fundamental Remote Sensing
_____ (1) FNR 37010 Natural Resources Practicum
_____ (1) FNR 37050 Forest Habitats and Communities Practicum
_____ (4) FNR 37200 Forestry Practicum
_____ (3) FNR 37500 Human Dimensions of Natural Resource Management
_____ (3) FNR 40700 Forest Economics
_____ (3) FNR 40910 Forest Resources Management
_____ (3) FNR 43400 Tree Physiology
_____ (1) FNR 47000 Fundamentals of Planning

Major Selectives (10 credits) (See Advising Resources)

_____ (3) Ecology & Systematics Selective[5]
_____ (3) Forestry Selective[6]
_____ (3) Forest Health Selective[7]
_____ (1) Laboratory in Ecology & Systematics Selective[8]

Other Departmental/ Program Course Requirements (54 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 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]
_____ (3) Humanities or Social Science Selective[1]
_____ (3) Professional Communications Selective
_____ (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 (8 credits)

_____ (8) 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 ☐ _____

Forestry

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	BIOL 11000 Fundamentals of Biology I	
3	CHM 11100 General Chemistry	
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 22500[cc] Dendrology	BIOL 11000 or BTNY 11000
3	FNR 23000 World's Forests & Society	
1	STAT 30100 Elementary Statistical Methods	
3	Ecology & Systematics Selective	C- or better in BIOL 11000 or BTNY 11000
3	FNR Economics Selective	
16		

Credits	Spring 2nd Year	Prerequisite
3	AGRY 27000 Forest Soils	CHM 11100
2	BIOL 28600 Introduction to Ecology & Evolution	BIOL 11000 or BTNY 11000
3	FNR 21000 Natural Resource Information Management	
3	FNR 35300[cc] Natural Resources Measurement	C- or better in MA 16010, D- or better in STAT 30100, FNR 21000
1	Laboratory in Ecology & Systematics selective	C- or better in BIOL 11000 or BNTY 11000
3	Written or Oral Communication Selective	
15		

Credits	Summer Session	Prerequisite
1	FNR 37010 Natural Resource Practicum	FNR 21000, 35100
1	FNR 37050 Forest Habitats and Communities Practicum	FNR 22500, 37010
4	FNR 37200 Forestry Practicum	FNR 37010
6		

Credits	Fall 3rd Year	Prerequisite
3	FNR 22310 *or POL 22300* Introduction to Environmental Policy	
3	FNR 33100 Forest Ecosystems	BIOL 28600, 22500, 34800
3	FNR 35700 Fundamental Remote Sensing	
3	FNR 43400 Tree Physiology	AGRY 27000, BIOL 11000, 28600, CHM 11200
3	Forest Health Selective	
15		

Credits	Spring 3rd Year	Prerequisite
3	FNR 35500 Quantitative Methods for Resource Management	FNR 21000, MA 16020
3	FNR 37500 Human Dimensions of Natural Resource Management	FNR 22310 or POL 22300
3	FNR 40700 Forest Economics	AGEC 20300 or AGEC 20400 or ECON 25100
3	Humanities or Social Science Selective	
3	Elective	
15		

Credits	Fall 4th Year	Prerequisite
3	FNR 33900 Principles of Silviculture	FNR 33100
1	FNR 47000 Fundamentals of Planning	
3	Ethics Selective	
3	Humanities or Social Science Selective	
3	Elective	
13		

Credits	Spring 4th Year	Prerequisite
3	FNR 30110 Sustainable Wood Products and Manufacturing	
3	FNR 40910 Forest Resources Management	FNR 33900, 35500, 40700
3	Forestry Selective	
3	Humanities or Social Sciences Selective	
2	Electives	
14		

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

FORS Supplemental Information

All prerequisites must be met

[1]Humanities and Social Science Selective (9 credits)

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

[2]Written or Oral Communication Selective

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 11100 Ethics
PHIL 28000 Ethics and Animals
PHIL 29000 Environmental Ethics

[5]Ecology Systematics Selective (3 credits)

FNR 24150 Ecology & Systematics of Fish, Amphibians, and Reptiles
FNR 25150 Ecology & Systematics of Mammals and Birds

[6]Forestry Selective (3 credits)

FNR 30500 Conservation Genetics
FNR 31100 Wood Structure, Identification, & Properties
FNR 31110 Structure, Identification and Properties of Woody Biomaterials
FNR 35900 Spatial Ecology and GIS

[7]Forestry Health Selective (3 credits)

BTNY 30100 Introductory Plant Pathology
BTNY 51800 Diseases of Landscape Trees and Shrubs
BTNY 51900 Diseases of Greenhouse Ornamentals
ENTM 10500 Insects: Friend and Foe
ENTM 20600 General Entomology
ENTM 20700 General Entomology Laboratory
ENTM 44100 Forest Entomology
FNR 33300 Fire Effects in Forest Environments
FNR 44100 Forest Entomology

[8]Laboratory and Ecology Systematics Selective (1 credits)

FNR 24250 Lab in Ecology & Systemics of Fish, Amphibians, and Reptiles
FNR 25250 Lab in Ecology & Systemics of Mammals and Birds