

The AGFS B.A. and B.S. programs are very flexible – which means that you have many options. As you think about choosing electives and designing your own emphasis area, this list of courses is meant to help guide you and suggest some options. Remember that your advisor is also available to help you. Make sure that you get the background you need for the career you want!

Interested in **plant biology or horticultural crop production**? Consider:

BIOL 409: Introductory Botany	AGFS 760: Insect Pest Management
AGFS 601: Fruit Crop Production	BIOL 704: Plant Microbe Interactions
AGFS 632: Urban Agriculture	BIOL 701: Plant Physiology
AGFS 651: Plant Pathology	AGFS TBD: Plant Propagation
AGFS 679/680: Food Production Field Experience	GEN 772: Evolutionary Genetics of Plants
AGFS 689: Greenhouse Management	GEN 774: Plant Biotech. & Genetic Engineering Lab

Interested in **animal science or animal agriculture**? Consider:

AAS 402: Intro to Livestock & Poultry Management	ANSC 511/512: Anatomy and Physiology I and II
AAS 424: Animal Law & Regulations	ANSC 602: Animal Rights & Societal Issues
AAS 432: Forages & Grassland Management	ANSC 605: Poultry Production & Health Management
AAS 439: Animal Health	ANSC 612: Genetics of Domesticated Animals
AAS 535: Animal Nutrition	ANSC 625: Diseases of Small Ruminants, Swine, Poultry & Camelids
AAS 540: Animal Breeding	

Interested in studying **food systems and the link between agriculture & nutrition**? Consider:

NUTR 400: Nutrition in Health & Well-Being	HMG 403: Intro to Food & Beverage Management
NUTR 550: Food Science	HMG 570: International Food & Culture
NUTR 720: Community Nutrition	ECOG 401: Introduction to Ecogastronomy
NUTR 730: From Seed to Sea	AGFS 620: Food Systems and Community Resilience

Interested in **agroecology and the interface between agriculture & natural resource stewardship**? Consider:

BIOL 541: General Ecology	AGFS 760: Insect Pest Management
AGFS 651: Plant Pathology	GEN 604: Genetics
NR 706: Soil Ecology	GEN 773: Microbial Ecology & Evolution
NR 707: Environmental Modeling	BMS 503: Microbiology
NR 713: Quantitative Ecology	NR 504: Freshwater Resources
EREC 760: Ecological-Economic Modeling	NR 765: Community Ecology
BIOL 510: Mushrooms, Molds & Mildews	NR 785: Systems Thinking for Sustainable Solutions
BIOL 704: Plant-Microbe Interactions	

Interested in **agriculture & food systems policy**? Consider:

AAS 424: Animal Law & Regulations	NR 701: Ecological Sustainability & Values
ANSC 602: Animal Rights & Societal Issues	NR 735: Land Conservation Principles & Practice CEP
AGFS 510: Costa Rica: Agric. & Dev. in the Neotropics	415: Community Development Perspectives CHE 410:
EREC 680: Agriculture & Food Policy	Energy & Environment
NR 435: Contemporary Conservation Issues	AGFS 620: Food Systems and Community Resilience
NR 602: Natural Resources Environmental Policy	

Interested in **entrepreneurship or managing an agricultural or food business**? Consider:

EREC 601: Agribusiness Economics and Management	ADMN 400: Intro to Business
MGT 580: Introduction to Organizational Behavior	ADMN 403: Computing Essentials for business
MKTNG 550: Survey of Marketing	ADMN 502: Financial Accounting
ANSC 546: Animal Business Applications	ANSC 750: Collaborative Farm Design
ANSC 635: Nonprofit Mgmt. for the Agricultural Business	RMP 724: Grantsmanship, Evaluation & Research
AAS 548: Bus. Mgmt. for the Agricultural Business	AGFS 679/680: Food Production Field Experience

Interested in **dairy science or dairy farm management**? Consider:

AAS 421: Large Animal Behavior	ANSC 698: CREAM
AAS 423: Dairy Cattle Selection	ANSC 701: Physiology of Reproduction
AAS 425: Dairy Herd Management	ANSC 708: Ruminant Nutritional Physiology
AAS 432: Forages & Grassland Management	ANSC 710: Dairy Nutrition
AAS 574: Dairy Cattle Diseases	ANSC 715: Physiology of Lactation
AAS 609: Principles of Animal Nutrition	ANSC 727/728: Advanced Dairy Management I and II
ANSC 650: Dairy Industry Travel Course	

Interested in **plant pathology**? Consider:

AGFS 651: Plant Pathology
BIOL 510: Mushrooms, Molds & Mildews
BIOL 704: Plant Microbe Interactions

BIOL 752: New England Mushrooms
BIOL 751: Plant Physiology
NR 782: Forest Health in a Changing World

Interested in **managing forest resources**? Consider:

NR 506: Forest Entomology
NR 527: Forest Ecology
NR 542: Forestland Measuring & Mapping
NR 643: Economics of Forestry

NR 729: Silviculture
NR 749: Forest Inventory & Modeling
NR 782: Forest Health in a Changing World
NR 783: Forest Communities of NH

Interested in **brewing science**? Consider:

AGFS 415: Brewing Science
AGFS 515: Technical Brewing
AGFS 517: Advanced Aspects of Brewing

NUTR 550: Food Science
BMS 503: Microbiology

Interested in **agricultural research**? In addition to advanced courses in the specific field you'd like to pursue, consider:

AGFS 795: Special Investigations/Independent
AGFS 799: Senior Thesis
RMP 724: Grantsmanship, Evaluation & Research

BIOL 633: Data Analysis for the Life Sciences
NR 760: GIS in Natural Resources
INCO 590/790: Student Research Experiences

Interested in **integrated animal/crop agriculture**? Consider:

ZOOL 610: Principles of Aquaculture
AAS 402: Intro to Livestock & Poultry Management

AAS 432: Forages & Grassland Management
ANSC 605: Poultry Production & Health Management

Interested in **teaching at the primary or secondary level**? Consider:

EDUC 500: Exploring Teaching
EDUC 700: Educational Structure and Change
EDUC 705: Contemporary Educational Perspectives

EDUC 701: Human Development and Learning:
Educational Psychology
EDUC 791: Methods of Teaching Secondary Science

Interested in **international agricultural opportunities**? Consider:

AGFS 410: A Taste of the Tropics
Practices HMG 570: International Food & Culture
IROP: International Research Opportunities at UNH

A Few of the Many Careers in Agriculture & Food Systems

CAREER TYPE:

Conservationist
Communications/Writer
Organic certification inspector
Extension agent
Entrepreneur
Educator/Trainer/Professor
Greenhouse grower/operator
Agricultural engineer
Herdsman/Farm manager
Land manager
Legal/Policy expert
Agricultural inspector
Nutritionist
Plant breeder
Scientist: biologist, ecologist, geneticist
Researcher/Technician

INDUSTRY/FIELD:

Animal/livestock production
Aquaculture/seafood
Hydroponic or aquaponic production
Feed nutrition
Pest management
Nutrient management
Food science
Landscaping
Horticulture
Agronomy
Integrated agriculture
Organic production
Agroecology
Controlled environment agriculture
Community development
Food distribution