

STUDENT: _____ ID: _____
 CHAIR/ADVISOR SIGNATURE: _____ DATE: _____
 DEAN SIGNATURE: _____ DATE: _____

2018-2019 Catalog

B.S. in Agricultural Studies **Core Curriculum** Requirements

Semester Completed | Notes (Sub Class/etc.)

The following are required as part of General Education:

ECON 201 – Principles of Microeconomics (3) (*,F,S) _____
 MATH 103 – College Algebra (4) (*,F,S) _____

**All General Education Requirements must be met. Please see General Education Requirements sheet for full list of course offerings.*

Agricultural Studies Core Curriculum:

AGEC 241 – Introduction to Agricultural Economics (3) (*,S) _____
 AGECE 342 – Introduction to Agricultural Management (3) (S) _____
 AGRI 350 – Agricultural Data Analysis and Statistics (4) (*,F) _____
 AGRI 391 – Junior Seminar (1) (*,S) _____
 AGRI 394 – Undergraduate Research (1) (*,F) _____
 H&CE 241 – Leadership and Presentation Techniques (3) (*,F,S) _____
 PLSC 110 – World Food Crops (3) (F) _____
 RNG 336 – Introduction to Range Management (4) (F) _____
 SOIL 210 – Introduction to Soil Science (4) (*,S) _____

One course from the following two courses (3 credits): _____
 ANSC 114 – Introduction to Animal Science (3) (F) _____
 ANSC 123 – Feeds and Feeding (3) (F) _____

One course from the following two courses (3 credits): _____
 BOTE 247 – Spreadsheet Applications (3) (*,F,S) _____
 CSCI 200 – Database Software Applications (3) (*,F,S) _____

One course from the following two courses (1 credit): _____
 AGRI 491 – Agricultural Seminar (1) (*,S) _____
 RNG 491 – Range Seminar (1) (*,S) _____

AGRI 491 and RNG 491 are capstone experience seminars that consist of an independent study with a public presentation and a professional paper requirement.

One course from the following three courses (3 credits): _____
 AGRI 280 – Technology in Agriculture (3) (S) _____
 GIS 380 – Applied Arc GIS (3) (F) _____
 GIS 381 – Geographic Information Systems for Business (3) (F) _____

One course from the following four courses (3 credits): _____
 BOTE 210 – Business Communication (3) (*,F,S) _____
 COMM 216 – Intercultural Communication (3) (F,S) _____
 COMM 312 – Interpersonal Communication (3) (*,F,S) _____
 COMM 317 – Organizational and Group Communication (3) (F,S) _____

Total Hours: _____

Total Required Semester Hours: **39**

Options:

(Student must select and complete at least one option to complete the B.S. in Agricultural Studies degree. Requirements for options are listed on separate sheets.)

- Business/Marketing
- International Agri-Business
- Integrated Farm Management
- Integrated Ranch Management
- Natural Resource Management
- Range Management
- Soil Science
- Equine

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B.S. in Agricultural Studies with **Natural Resource Management Option** Requirements

General Education:

All General Education Requirements must be met. Please see General Education Requirements sheet for full list of course offerings.

B.S. in Agricultural Studies Core Curriculum

All B.S. in Agricultural Studies Core Curriculum Requirements must be met. Please see Agricultural Studies Core Curriculum Requirements sheet for full list of course offerings.

*Students will be required to take GIS 380 – Applied Arc GIS as part of the Agricultural Studies core curriculum.
Students will be required to take GEOL 105, 105L – Physical Geology and Lab as the General Education science elective.
If not taken as a General Education class, it must be taken to fulfill the Natural Resource Management option requirements.*

Semester Completed | Notes (Sub Class/etc.)

Natural Resource Management Option:

AGEC 422 – Resource Economics and Environmental Protection (3) (*,S) _____

BIOL 151 – General Biology II (3) (*,F) _____

BIOL 151L – General Biology II Lab (1) (*,F) _____

GIS 210 – Applied GPS (3) (S) _____

PLSC 225 – Principles of Crop Production (3) (*,F) _____

PLSC 323 – Principles of Weed Science (3) (S) _____

RNG 350 – Range Plants and Communities (3) (F) _____

RNG 436 – Range and Pasture Management (3) (*,F) _____

RNG 458 – Rangeland Ecology (3) (*,S) _____

SOIL 321 – Soil Management and Conservation (3) (*,F Odd) _____

SOIL 444 – Soil Genesis and Survey (4) (*,F Even) _____

Two pairs from the following three choices (9-10 credits): _____

BIOL 150 – General Biology I (3) (*,S)

BIOL 150L – General Biology I Lab (1) (*,S)

Or

CHEM 121 – General Chemistry I (4) (*,F)

CHEM 121L – General Chemistry I Lab (1) (*,F)

Or

CHEM 122 – General Chemistry II (4) (*,S)

CHEM 122L – General Chemistry II Lab (1) (*,S)

At least **five to six credits** from the following choices: _____

BIOL 250 – Wildlife Management (3) (*)

BIOL 254 – Introduction to Botany (4) (*,F)

BIOL 415 – Ecology (4) (*,S Odd)

GEOL 311 – Process Geomorphology (4) (*,F Odd)

GEOL 330 – Physical Geology of North Dakota (3) (*,S Even)

GIS 480 – GPS/GIS II (3) (*,On Demand)

PLSC 235 – Field Scouting Techniques (2) (*,S)

PLSC 486 – Forages and Forage Systems (3) (*,F)

SOIL 322 – Soil Fertility and Fertilizers (3) (*,S Odd)

SOIL 350 – Soil Health and Productivity (3) (*,S Even)

SOIL 455 – Soil Microbiology (3) (*,S Odd)

It is recommended to take these classes in succession:

- **RNG 336 – Introduction to Range Management (Freshman/Sophomore)**
- **RNG 350 – Range Plants and Communities (Sophomore/Junior)**
- **RNG 446 – Advanced Range and Forage Planning (Junior/Senior)**

Total Hours:

Total Required Semester Hours:

46-48

*Requires pre- or co-requisite | #IVN class from NDSU | F – Fall | S – Spring

