

# AGRONOMY - BACHELOR OF SCIENCE IN AGRICULTURE

## A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1220G College Algebra and ENGL 1110G Composition I. The contents and order of this roadmap may vary depending on initial student placement in mathematics and English. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

### First Year

Semester 1		Credits
ENGL 1110G or ENGL 1110H	Composition I <sup>1</sup> or Composition I Honors	4
MATH 1220G or MATH 1430G	College Algebra <sup>1</sup> or Applications of Calculus I	3
AGRO 1110G or HORT 1115G	Introduction to Plant Science (Lecture & Lab) or Introductory Plant Science	4
Area IV: Social and Behavioral Science Course <sup>2</sup>		3
Students who must be enrolled in 15 credits a semester for Financial Aid purposes will need to enroll in additional elective credits		
<b>Credits</b>		<b>14</b>

### Semester 2

ENGL 2210G or ENGL 2210H	Professional and Technical Communication <sup>1</sup> or Professional and Technical Communication	3
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors <sup>1</sup>	4
Area V: Humanities Course <sup>2</sup>		3
AEEC 2140	Technology and Communication for Business Management	3
BIOL 2610G	Principles of Biology: Biodiversity, Ecology, and Evolution <sup>1</sup>	3
<b>Credits</b>		<b>16</b>

### Second Year

Semester 1		Credits
ACOM 1130G	Effective Leadership and Communication in Agriculture <sup>1</sup>	3
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors <sup>1</sup>	4
SOIL 2110 & 2110L	Introduction to Soil Science and Introduction to Soil Science Laboratory <sup>1</sup>	4
BIOL 2110G	Principles of Biology: Cellular and Molecular Biology	3
Area VI: Creative and Fine Arts Course <sup>2</sup>		3
<b>Credits</b>		<b>17</b>

### Semester 2

AGRO 305	Principles of Genetics <sup>1</sup>	3
BIOL 313	Structure and Function of Plants <sup>1</sup>	3
A ST 311	Statistical Applications <sup>1</sup>	3
CHEM 2120	Integrated Organic Chemistry and Biochemistry (CHEM 2120 must be taken with associated 1-cr CHEM lab)	4
EPWS 303	Economic Entomology (Spring Only) <sup>1</sup>	3
<b>Credits</b>		<b>16</b>

### Third Year

#### Semester 1

AGRO 365	Principles of Crop Production (Odd year Fall Only) <sup>1</sup>	4
EPWS 310	Plant Pathology (Fall Only) <sup>1</sup>	4
AGRO 311	Introduction to Weed Science (Fall Only) <sup>1</sup>	4
AGRO Option Course <sup>4</sup>		3
VWW: Viewing a Wider World Course <sup>3</sup>		3

**Credits 18**

#### Semester 2

SOIL 312	Soil Management and Fertility (Spring Only) <sup>1</sup>	3
SOIL 312 L	Soil Management and Fertility Lab	1
EPWS 314	Plant Physiology (Spring Only) <sup>1</sup>	3
AGRO Option Course <sup>4</sup>		3
AGRO Option Course <sup>4</sup>		3
VWW: Viewing a Wider World Course <sup>3</sup>		3

**Credits 16**

### Fourth Year

#### Semester 1

AGRO 492	Diagnosing Plant Disorders (Fall Only) <sup>1</sup>	3
AGRO 449	Special Problems	1-3
AGRO 462	Plant Breeding (Fall Only) <sup>1</sup>	3
AGRO 483	Advanced Sustainable Crop Production (Even Fall Only) <sup>1</sup>	4
AGRO Option Course <sup>4</sup>		3

**Credits 14-16**

#### Semester 2

AGRO 447	Seminar (Spring Only)	1
AGRO 471	Plant Mineral Nutrition (Odd Year Spring Only) <sup>1</sup>	3
Elective Course		3
Elective Course		2

**Credits 9**

**Total Credits 120-122**

<sup>1</sup> These courses have prerequisites and it is the students responsibility to check and fulfill all course prerequisites listed for these courses.

<sup>2</sup> See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses.

<sup>3</sup> See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses.

<sup>4</sup> Consult with your departmental advisor.