

HORTICULTURE - 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 ¹ or Composition I Honors	4
MATH 1220G	College Algebra ¹	3
HORT 1115G	Introductory Plant Science	4
Area IV: Social and Behavioral Science Course ²		3
ACES 1120	Freshman Orientation	1
Credits		15

Semester 2

ENGL 2210G or ENGL 2210H	Professional and Technical Communication ¹ or Professional and Technical Communication	3
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors ¹	4
Area V: Humanities Course ²		3
HORT Elective Course		3
HORT Elective Course		3
Credits		16

Second Year

Semester 1		Credits
ACOM 1130G or COMM 1115G or HNRS 2175G	Effective Leadership and Communication in Agriculture or Introduction to Communication or Introduction to Communication Honors	3
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors ¹	4
BIOL 2110G	Principles of Biology: Cellular and Molecular Biology	3
Area VI: Creative and Fine Arts Course ²		3
HORT Elective Course		3
Credits		16

Semester 2

SOIL 2110	Introduction to Soil Science ¹	3
EPWS 303	Economic Entomology (Spring Only) ¹	3
HORT 2160	Plant Propagation	3
VWW: Viewing a Wider World Course ³		3
HORT Elective Course		3
Credits		15

Third Year

Semester 1		Credits
EPWS 310	Plant Pathology (Fall Only) ¹	4
HORT Prefix Course		3
HORT Prefix Course		3
HORT Prefix Course		3

VWW: Viewing a Wider World Course ³		3
Credits		16
Semester 2		
EPWS 314	Plant Physiology	3
HORT Upper-Division Prefix Course		3
HORT Upper-Division Prefix Course		3
HORT Upper-Division Elective Course		3
HORT Upper-Division Elective Course		3
Credits		15
Fourth Year		
Semester 1		
HORT 365	Principles of Crop Production	4
HORT Elective Course		3
HORT Upper-Division Prefix Course		3
HORT Upper-Division Prefix Course		3
Upper-Division Elective Course		3
Credits		16
Semester 2		
HORT 447	Seminar	1
HORT Upper-Division Elective Course		4
Elective Course		3
Elective Course		3
Credits		11
Total Credits		120

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

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

³ HORT Elective Courses:

- HORT 2110 Ornamental Plants I
- HORT 2120 Ornamental Plants II
- HORT 2130 Floral Quality Evaluation and Design
- HORT 2990 Floriculture Field Practicum
- HORT 300 Special Topics
- HORT 302V Forestry and Society
- HORT 304 Hydroponics
- HORT 305 Principles of Genetics
- HORT 307 Landscape Design
- HORT 310 Medicinal Herbs
- HORT 318V Urban Water Issues and Society
- HORT 377 Introduction to Turfgrass Management
- HORT 378 Turfgrass Science
- HORT 391 Internship
- HORT 449 Special Problems
- HORT 450 Special Topics
- HORT 462 Plant Breeding
- HORT 471 Plant Mineral Nutrition
- HORT 479 Advanced Turfgrass Science
- HORT 483 Advanced Sustainable Crop Production
- HORT 488 Greenhouse Management
- HORT 492 Diagnosing Plant Disorders

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- **Horticulture Core Courses:**
 - A ST 311 Statistical Applications
 - ACCT 2110 Principles of Accounting I
 - ACCT 2120 Principles of Accounting II
 - AEEC 2110 Principles of Food and Agribusiness Management
 - AEEC 2140 Technology and Communication for Business Management
 - AEEC 3210 Marketing and Food Agricultural Products
 - AEEC 3110V World Agriculture and Food Problems
 - AEEC 4110 Food and Agribusiness Financial Management
 - AGRO 303V Genetics and Society
 - AGRO 311 Introduction to Weed Science
 - AGRO 483 Advanced Sustainable Crop Production
 - ARTS 1610 Drawing I
 - ARTS 2610 Drawing II
 - AXED 3115 Small Engine Technology
 - AXED 3120 Agricultural Structures
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 - BIOL 301 Principles of Ecology
 - BIOL 313 Structure and Function of Plants
 - BLAW 316 Legal Environment of Business
 - BLAW 385V Employment and Consumer Law
 - BUSA 1110 Intro to Business
 - ECON 2110G Macroeconomic Principles
 - ECON 2120G Principles of Microeconomics Honors
 - EPWS 301 Agricultural Biotechnology
 - EPWS 373 Fungal Biology
 - FSTE 4110 Food Microbiology
 - FSTE 4120 Food Chemistry
 - GENE 305 L Genetic Techniques
 - GENE 315 Molecular Genetics
 - GENE 320 Hereditary and Population Genetics
 - MGMT 309 Human Behavior in Organizations
 - MGMT 332 Human Resources Management
 - MKTG 303 Principles of Marketing
 - MKTG 313 Retail Management
 - SOIL 2110L Introduction to Soil Science Laboratory
 - SOIL 312 Soil Management and Fertility/SOIL 312 L Soil Management and Fertility Lab
 - SOIL 456 Irrigation and Drainage
 - SOIL 476 Soil Microbiology
 - SPAN 1110 Spanish I
 - SPAN 1120 Spanish II
 - SPAN 2110 Spanish III

⁵ 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.