

# HORTICULTURE (TURFGRASS SCIENCE AND MANAGEMENT) - 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		Credits
<b>Semester 1</b>		
ENGL 1110G	Composition I <sup>1</sup>	4
MATH 1220G	College Algebra <sup>1</sup>	3
HORT 1115G	Introductory Plant Science	4
Area IV: Social and Behavioral Science Course <sup>2</sup>		3
<b>Credits</b>		<b>14</b>
<b>Semester 2</b>		
ENGL 2210G	Professional and Technical Communication Honors <sup>1</sup>	3
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
Area V: Humanities Course <sup>2</sup>		3
HORT Elective Course		3
HORT Elective Course		3
<b>Credits</b>		<b>16</b>
<b>Second Year</b>		
<b>Semester 1</b>		
ACOM 1130G or COMM 1115G	Effective Leadership and Communication in Agriculture or Introduction to Communication	3
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors <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
HORT Elective Course		3
<b>Credits</b>		<b>16</b>
<b>Semester 2</b>		
SOIL 2110	Introduction to Soil Science <sup>1</sup>	3
EPWS 303	Economic Entomology (Spring Only) <sup>1</sup>	3
HORT 2160	Plant Propagation	3
VWW: Viewing a Wider World Course <sup>3</sup>		3
HORT 377	Introduction to Turfgrass Management	4
<b>Credits</b>		<b>16</b>
<b>Third Year</b>		
<b>Semester 1</b>		
EPWS 310	Plant Pathology (Fall Only) <sup>1</sup>	4
HORT 378	Turfgrass Science	4
AGRO 311	Introduction to Weed Science	4

VWW: Viewing a Wider World Course <sup>3</sup>		3
<b>Credits</b>		<b>15</b>
<b>Semester 2</b>		
EPWS 314	Plant Physiology	3
HORT 479	Advanced Turfgrass Science	3
HORT Upper-Division Prefix Course		3
HORT Upper-Division Prefix Course		3
HORT Upper-Division Elective Course		3
<b>Credits</b>		<b>15</b>
<b>Fourth Year</b>		
<b>Semester 1</b>		
HORT 365	Principles of Crop Production	4
HORT 391	Internship	3
HORT Upper-Division Prefix Course		3
HORT Upper-Division Prefix Course		3
Upper-Division Elective Course		3
<b>Credits</b>		<b>16</b>
<b>Semester 2</b>		
HORT 447	Seminar	1
HORT 391	Internship	3
HORT Upper-Division Elective Course		4
Elective Course		3
Elective Course		1
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>120</b>

<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> **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 305 Principles of Genetics
- HORT 307 Landscape Design
- HORT 310 Medicinal Herbs
- 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 488 Greenhouse Management
- HORT 492 Diagnosing Plant Disorders

<sup>4</sup> **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 3130 Advanced Technology in the Agricultural Mechanization
- BCHE 341 Survey of Biochemistry
- 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
- CHEM 2115 Survey of Organic Chemistry and Laboratory
- ECON 2110G Macroeconomic Principles
- ECON 2120G Principles of Microeconomics
- 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 2110 Spanish III

<sup>5</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.