

# Bachelor of Science in Horticultural Sciences

## Specialization in Organic Crop Production

### Course of Study (2016-2017)

#### FIRST YEAR

Fall Semester			Spring Semester		
Course		Hours	Course		Hours
MAC 1147	* <sup>w</sup> Precalculus: Alg. and Trig. (or MAC 1140 & 1114)	4	CHM 2045	* General Chemistry 1	3
_____	Composition (State Core GE-C)	3	CHM 2045L	* General Chemistry Lab 1	1
IUF 1000	<sup>w</sup> What is the Good Life	3	AEB 2014	* <sup>w</sup> Economic Issues, Food, & You (or ECO 2013 or ECO 2023)	3-4
_____	Social & Behavioral Science (GE-S)	3	_____	Humanities (GE-H)	3
_____	<sup>+</sup> Approved electives	2	_____	<sup>+</sup> Approved electives	5
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15-16</b>

#### SECOND YEAR

Fall Semester			Spring Semester		
Course		Hours	Course		Hours
BOT 2010C	* Introductory Botany (or BSC 2010 & 2010L)	3-4	BOT 2011C	* Plant Diversity (or BSC 2011 & 2011L)	4
_____	Mathematics (GE-M)	2	PHY 2004	* <sup>w</sup> Applied Physics (or PHY 2020)	3
AEC 3033C	<sup>w</sup> Research and Business Writing	3	AEC 3030C	Effective Oral Communication	3
_____	Composition (GE-C)	3	_____	<sup>+</sup> Approved electives	5
_____	<sup>+</sup> Approved electives	4	<b>Total</b>		<b>15</b>
<b>Total</b>		<b>15-16</b>	<b>Total</b>		<b>15</b>

#### THIRD YEAR

Fall Semester			Spring Semester		
Course		Hours	Course		Hours
HOS 3020	Principles of Horticultural Crop Production	3	HOS 3430C	Nutrition of Horticultural Crops (Spring odd years)	3
ENY 3005	<sup>w</sup> Principles of Entomology	2	HOS 4933	Professional Development in Horticulture	1
ENY 3005L	Principles of Entomology Lab	1	AGR 3303	Genetics	3
PLP 3002C	Fundamentals of Plant Pathology	4	AGR 4212	Alternative Cropping Systems	3
_____	<sup>+</sup> Commodity or approved elective	6	_____	<sup>+</sup> Commodity or approved elective	5-6
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15-16</b>

#### FOURTH YEAR

Fall Semester			Spring Semester		
Course		Hours	Course		Hours
HOS 4304	Horticultural Physiology	3	HOS 4341	Advanced Horticultural Physiology	3
HOS 3281C	Principles of Organic and Sustainable Crop Production	3	HOS 4283C	Advanced Organic and Sustainable Crop Production	3
SWS 3022	<sup>w</sup> Intro to Soils in Environment	3	_____	<sup>+</sup> Commodity or approved elective	6
SWS 3022L	Intro to Soils Lab	1	_____	◊ Pest management course	3
_____	<sup>+</sup> Commodity or approved elective	3	<b>Total</b>		<b>16</b>
HOS4941	<sup>p</sup> Practical experience electives	1-3	<b>Total</b>		<b>14-16</b>
<b>Total</b>		<b>14-16</b>	<b>Total</b>		<b>16</b>

(continued on the next page)

- \* Critical tracking courses
- <sup>w</sup> Online or blended sections available
- <sup>+</sup> Any FRC, VEC, or HOS course at the 3000-level or higher
- ◇ Pest management course (select one):
  - ENY4161 Insect Classification (3) F, S, SS
  - ENY4573 Beekeeping (3) F, S, SS
  - PLP3103C Control of Plant Diseases (3) S odd
  - HOS 4905 Organic Weed Management (3) S even
  - PLS 4601C Principles of Weed Science (3) F
  - IPM 3022 Fundamentals of Pest Management (3) S
  - NEM 3002 Principles of Nematology (3) S even
  
- <sup>P</sup> Practical experience electives (select one) or study abroad:
  - HOS 4911 Supervised Research (0-3) F, S, SS
  - HOS 4941 Practical Work Experience (1-3) F, S, SS
  - HOS 4905 Independent Study (1-3) F, S, SS

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