

Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  HOR 401 Ornamental Horticulture, Operations & Management AAS Degree

CIP Code  1.0603

Cluster  Agriculture, Good & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities	
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)	
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2			
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)		
	12	Greenhouse Production and Floral Design	English IV	Pre-calculus	Physics	US Government			
POSTSECONDARY	13 (Fall)	Hor 101 Introduction to Horticulture Related Occupations Hor 112 Greenhouse Management I Hor 122 Trees/Arboriculture	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I	
	13 (Spring)	Hor 146 Sustainable Perennials	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective			
	14 (Fall)	AGT 215 Introduction to Soil and Fertilizers Hor 127 Propagation Techniques Hor 231 Ornamental Shrubs Identification and Culture Hor 256 Turf and Lawn Management Hor 271 Greenhouse Management II	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)		
	14 (Spring)	Hor 141 Beginning floral Arrangements Hor 277 Bedding Plant Production Horticulture Electives	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective			
	15 (Fall)	Continued Classes in Chosen Program of Study	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective	Career Opportunities: Grower Landscape Designer Landscape Installer Floral Salesperson Floral Designer Wholesaler Nursery Manager Greenhouse worker Golf course superintendent Sports fields Grounds manager		Degrees and Certificates Available: AAS #401 Ornamental Horticulture/General
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			
16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree				
16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree				

Kishwaukee Educational Consortium Dual Credit Classes

Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  Horticulture Service Operations and Management Gen. AAS # 402

CIP Code  1.0601

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities	
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)	
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2			
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)		
	12	Greenhouse Production and Floral Design	English IV	Pre-calculus	Physics	US Government			
POSTSECONDARY	13 (Fall)	HOR 101 Introduction to Horticulture Related Occupations HOR 112 Greenhouse Management I HOR 122 Trees / Arboriculture	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 103 Horticulture Science	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I	
	13 (Spring)	HOR 141 Beginning Floral Arrangements HOR 146 Sustainable Perennials HOR 245 Survey of Greenhouse Operations	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany	Humanities/ Social Science Elective			
	14 (Fall)	AGT 215 Introduction to Soils and Fertilizers HOR 231 Ornamental Shrubs Identification and Culture HOR 271 Greenhouse Management II HOR 275 Fall Greenhouse Crops	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics		Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)		
	14 (Spring)	HOR 128 Plant Propagation HOR 276 Spring Greenhouse Crops HOR 277 Bedding Plant Production	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics		Humanities/ Social Science Elective			
	15 (Fall)	Continued Classes in Chosen Program of Study	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics		Humanities/ Social Science Elective	Career Opportunities: Greenhouse Grower Garden Center Manager Retail Manager Wholesale Manager Plant Marketing		Degrees and Certificates Available: AAS 402 Greenhouse
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			

Kishwaukee Educational Consortium Dual Credit Classes

Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  HOR 403 Ornamental Horticulture, Operations & Management AAS Degree

CIP Code  1.0603

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	Greenhouse Production and Floral Design	English IV	Pre-calculus	Physics	US Government		
POSTSECONDARY	13 (Fall)	Hor 101 Introduction to Horticulture Related Occupations Hor 112 Greenhouse Management I Hor 141 Beginning Floral Arrangements	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I
	13 (Spring)	Hor 142 Advanced Floral Arrangements Hor 146 Sustainable Perennials	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective		
	14 (Fall)	Hor 235 Flower Store Management Hor 201 Special Events Hor 243 Interior Landscaping Hor 244 Survey of floral Operations	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	
	14 (Spring)	Hor 143 Sympathy Design Techniques Hor 237 Floral Marketing II Hor 242 Wedding and Corsage Design Hor 277 Bedding Plant Production	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective		
	15 (Fall)	Continued Classes in Chosen Program of Study	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective	Career Opportunities: Floral Designer Floral Salesperson Flower store manager Wholesaler buyer Wholesaler salesperson	Degrees and Certificates Available:  AAS #403 Ornamental Horticulture/Floral Design
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		

Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  Landscape Operation and Management AAS # 404

CIP Code  1.0605

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities	
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)	
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2			
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)		
	12	Greenhouse Production and Floral Design	English IV	Pre-calculus	Physics	US Government			
POSTSECONDARY	13 (Fall)	HOR 101: Intro to Hort Related Occupations HOR 112: Greenhouse Management HOR 122: Trees/Arboriculture	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I	
	13 (Spring)	HOR 126: Nursery Mgmt. HOR 141: Beginning Floral HOR 146: Sustainable Perennials	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective			
	14 (Fall)	AGT 215: Intro to Soils/Fertilizers HOR 166: Landscape Design HOR 231: Ornamental Shrubs Identification and Culture HOR 256: Turf and Lawn Management	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective			OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)
	14 (Spring)	HOR 266: Advanced Landscape Design HOR 267: LANDCADD and Visual Landscaping HOR 277: Bedding Plant Production	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective			
	15 (Fall)	Continued Classes in Chosen Program of Study	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective	Career Opportunities: Landscape Designer Entrepreneur Design/Build Construction		Degrees and Certificates Available:  Ornamental Horticulture/Landscape Design and Construction Degree – AAS #404
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree			
16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree				

Kishwaukee Educational Consortium Dual Credit Classes

SHS\_HOR\_AAS404

Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  HOR. 405 Orn. Hort./Sports Turf Management AAS Degree

CIP Code  1.0603

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	Greenhouse Production and Floral Design	English IV	Pre-calculus	Physics	US Government		
POSTSECONDARY	13 (Fall)	Hor 112,Greenhouse Magagement I, Hor. 122 Trees/Aboriculture, Hor 256 Turf and Lawn Management	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Scienc	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I
	13 (Spring)	Horr. 166,Sustainable Perennials	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Scienc	Humanities/ Social Science Elective		
	14 (Fall)	AGT 215, Intro to Soils and Fertilizers, Hor 166 Landscape Design, Hor 231 Ornamental Shrubs Identification and Culture, Hor 281 Irrigations Function and Maaintenance	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Scienc	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	
	14 (Spring)	Hor 141 Beginning Floral Arrangements, Hor 257 Sports Turf, Hor 277 Bedding Plant Production, Hor 282 Equipment Maintenance	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Scienc	Humanities/ Social Science Elective		
	15 (Fall)	Continued Classes in Chosen Program of Study	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Scienc	Humanities/ Social Science Elective	Career Opportunities: Turf production, golf courses, turf farms, cemetery, sports fields, Private and public grounds	Degrees and Certificates Available:
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		Ornamental Horticulture/Sports Turf Management – Degree #405
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		

Kishwaukee Educational Consortium Dual Credit Classes

Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  Nursery Management AAS # 407

CIP Code  1.0603

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Introduction to Horticultural Science	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Greenhouse Management/Floral Design	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	Landscaping and Turf Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	Agribusiness Management	English IV	Pre-calculus	Physics	US Government		
POSTSECONDARY	13 (Fall)	HOR 101 Introduction to Horticulture Related Occupations, HOR 112 Greenhouse Management I, HOR 122 Trees/Arboriculture	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Scienc	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I
	13 (Spring)	HOR 126 Nursery Management, HOR 146 Sustainable Perennials,	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Scienc	Humanities/ Social Science Elective		
	14 (Fall)	HOR 129 Nursery Pests, HOR 166 Landscape Design, AGT 215 Introduction to soil and Fertilizers, HOR 231 Ornamental Shrubs Identification and culture, HOR 281 Irrigation Function and Maintenance	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Scienc	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	
	14 (Spring)	Hor 123 Horticultural Spanish, HOR 128 Plant Propagation, HOR 282 Equipment Maintenance	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Scienc	Humanities/ Social Science Elective		
	15 (Fall)	Continued Classes in Chosen Program of Study	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Scienc	Humanities/ Social Science Elective	Career Opportunities: Wholesale and retail sale of nursery stock Production of nursery stock	Degrees and Certificates Available: AAS 407 ORNAMENTAL HORTICULTURE/NURSERY MANAGEMENT
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	

Kishwaukee Educational Consortium Dual Credit Classes

Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  HOR 227 Floriculture/Floristry Operations Certificate

CIP Code  1.0608

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	Greenhouse Production and Floral Design	English IV	Pre-calculus	Physics	US Government		
POSTSECONDARY	13 (Fall)	Hor 141 Beginning Floral Arrangements Hor 235 Flower Store Management Hor 201 Special Events Hor 243 Interior plantscaping Hor 244 Survey of Floral Operations						
	13 (Spring)	Hor 142 Advanced Floral Arrangements Hor 143 Sympathy Arrangements Hor 237 Floral Marketing 11 Hor 242 Wedding and Corsage Design						
	14 (Fall)							
	14 (Spring)							
	15 (Fall)						Career Opportunities: Floral Designer Floral Salesperson Wholesaler salesperson	Degrees and Certificates Available: Cert. #227 Ornamental Horticulture/Floral Horticulture
	15 (Spring)							
	16 (Fall)							
	16 (Spring)							

Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  Landscape Operations and Management Cert #238

CIP Code  1.0605

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities	
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)	
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2			
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)		
	12	Greenhouse Production and Floral Design	English IV			US Government			
POSTSECONDARY	13 (Fall)	HOR 122: Trees/Arboriculture HOR 128: Plant Propagation HOR 166: Landscape Design HOR 231: Ornamental Shrubs/ID & Culture	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I	
	13 (Spring)	HOR 146: Sustainable Perennials HOR 266: Advanced Landscape Design HOR 128: Plant Propagation	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective			
							Career Opportunities: Landscape Designer Entrepreneur Design/Build Construction		Degrees and Certificates Available: Landscape Design and Plant Identification Certificate Cert. # 238

Kishwaukee Educational Consortium Dual Credit Classes

SHS\_HOR\_Cert238



Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  Turf Management Cert. # 239

CIP Code  1.0607

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	Landscape and Turf Grass Management	English III			US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	Greenhouse Production and Floral Design	English IV			US Government		
POSTSECONDARY	13 (Fall)	Hor 105 Botany for Horticulture, Hor 256 Turf and Lawn Management, Hor 122 Trees/Arboriculture AGT 215 Intro to Soils and Fertilizers					Career Opportunities: golf courses, sod farms, cemeteries, public and private grounds, sports fields  OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	Degrees and Certificates Available Turf Management-Certificate #239  Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I
	13 (Spring)	Hor 126 Nursery Management, HOR 257 Sports Turf Management, HOR 258 Resource Management, HOR 281 Irrigation Function and Maintenance						
	14 (Fall)							
	14 (Spring)							
	15 (Fall)							
	15 (Spring)							
	16 (Fall)							
	16 (Spring)							

Kishwaukee Educational Consortium Dual Credit Classes

*Program of Study Sequence*

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  Nursery Operation and Management Cert # 240

CIP Code  1.0606

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	Greenhouse Production and Floral Design	English IV			US Government		
POSTSECONDARY	13 (Fall)	HOR 112 Greenhouse Management I HOR 122 Trees/Arboriculture HOR 271 Greenhouse Management II						
	13 (Spring)	HOR 146 Sustainable Perennials HOR 245 Survey of Greenhouse Operations HOR 276 Spring Greenhouse Crops			HOR 105 Botany			
	14 (Fall)	HOR 231 Ornamental Shrubs Identification and Culture						
	14 (Spring)	HOR 277 Bedding Plant Production						
	15 (Fall)						Career Opportunities: Grower Garden Center Manager Plant Marketing Retail Manager	Degrees and Certificates Available:  Certificate 240 Garden Center Operations
	15 (Spring)							
	16 (Fall)							
	16 (Spring)							

Kishwaukee Educational Consortium Dual Credit Classes

Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  Greenhouse Operations and Management Cert # 241

CIP Code  1.0604

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	Greenhouse Production and Floral Design	English IV			US Government		
POSTSECONDARY	13 (Fall)	HOR 112 Greenhouse Management I HOR 271 Greenhouse Management II HOR 275 Fall Greenhouse Crops			HOR 103 Horticulture Science		Career Opportunities:  Grower Garden Center Manager Plant Marketing Retail Manager	Degrees and Certificates Available:  Certificate 241 Greenhouse Production
	13 (Spring)	HOR 245 Survey of Greenhouse Operations HOR 276 Spring Greenhouse Crops			HOR 105 Botany			
	14 (Fall)							
	14 (Spring)	HOR 277 Bedding Plant Production						
	15 (Fall)							
	15 (Spring)							
	16 (Fall)							
	16 (Spring)							

Kishwaukee Educational Consortium Dual Credit Classes

*Program of Study Sequence*

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  Landscape Operations and Management Cert # 290  
(Sustainable Horticulture)

CIP Code  1.0605

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	Landscape and Turf Grass Management	English III			US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	Greenhouse Production and Floral Design	English IV			US Government		
POSTSECONDARY	13 (Fall)	Hor 103 Horticulture Science Hor 150 Fall Prairie Study, AGT 215 Into to Soil and Fertilizer					BIO 101/102 Environmental Bio & Lab, HOR 122 Trees/Arboriculture HOR 25 6 Turf & Lawn Management	Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I
	13 (Spring)	HOR 105 Botany for Horticulture, HOR 194 Sustainable Land Management						
	14 (Fall)						BIO 107 Animal Ecology, BIO 230 Field Biology, HOR 146 Sustainable Perennials, HOR 231 Ornamental Shrubs ID. And Culture	
	14 (Spring)							
	15 (Fall)						Career Opportunities: Landscape Specialist Groundskeeper Landscaper	Degrees and Certificates Available: Horticulture # 290
	15 (Spring)							
	16 (Fall)							
	16 (Spring)							

[Kishwaukee Educational Consortium Dual Credit Classes](#)

Program of Study Sequence

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  Cert. # 438 Horticulture Mechanic Technology

CIP Code  1.0601

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2		
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	Greenhouse Production and Floral Design	English IV			US Government		
POSTSECONDARY	13 (Fall)	DPT 173 Basic Electrical Ignition Systems, Dept 176 Basic Transmissions and Final Drives						Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I
	13 (Spring)	DPT 177 Intro to Diesels, DPT 178 Basic Hydraulics, DPT 199 Small Engine Maintenance and Repair						
	14 (Fall)							
	14 (Spring)							
	15 (Fall)						Career Opportunities: Golf Course Mechanic	Degrees and Certificates Available: Horticulture Mechanic's Technology Certificate # 438
	15 (Spring)							
	16 (Fall)							
	16 (Spring)							

Kishwaukee Educational Consortium Dual Credit Classes

*Program of Study Sequence*

Community College  Kishwaukee College

High School  Sycamore High School

Program of Study:  Nursery Operations and Management Cert # 471

CIP Code  1.0606

Cluster  Agriculture, Food & Natural Resources

Pathway  Plant Systems

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities	
SECONDARY	9	Intro to Horticulture Science 1 or 2	English I	Algebra I	Earth/Space Science	World Geo/ Culture I & II	Foreign Language Business Ed	Work Based Learning Activities (11 & 12)	
	10	Intro to Horticulture Science 1 or 2	English II Speech	Geometry	Biology	Dev of Western Civilization 1 & 2			
	11	Landscape and Turf Grass Management	English III	Algebra II	Chemistry	US History	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)		
	12	Greenhouse Production and Floral Design	English IV			US Government			
POSTSECONDARY	13 (Fall)	HOR 112 Greenhouse Management I, HOR 122 Trees/Arboriculture, HOR 231 Ornamental Shrubs Identification, AGR 215 Introduction to soil and Fertilizers	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective	OS 108 Office Systems Hor 284, 285, 286, 287, 288, or 289 Field Studies (offered fall semester only)	Hor 106 Orientation to Horticulture Internship Hor 196 Horticulture Internship I	
	13 (Spring)	HOR 126 Nursery Management, HOR 128 Plant Propagation, HOR 281 Irrigation Function and Maintenance	SPE 100 Oral Communications, ENG 103 Comp I or Eng 109 Technical Writing	TMAT 100 Technical Mathematics	HOR 105 Botany Hor103 Horticulture Science	Humanities/ Social Science Elective			
	15 (Spring)						Career Opportunities: Wholesale and retail sale of nursery stock Production of nursery stock Garden center management		Degrees and Certificates Available: Nursery Management # 471
	16 (Fall)								
16 (Spring)									

Kishwaukee Educational Consortium Dual Credit Classes