



## **Landscape and Horticulture Technology**

Associate in Science | Code: 21005 | 60 credits

**CIP (1101060502)**

**Effective Term: Fall 2024 (2247)**

The purpose of this program is to prepare students for employment in horticulture and landscape industries. The students will learn about plant growth, nutrition and fertilization, plant classification and identification, propagation, pest control, pruning, maintenance and drainage. Students will also gain business management and job skills.

### **GENERAL EDUCATION REQUIREMENTS (15.00 credits)**

#### **COMMUNICATIONS (3.00 credits)**

ENC 1101	English Composition 1	(3 credits)	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
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#### **HUMANITIES (3.00 credits)**

ARH 1000	Art Appreciation	(3 credits)	
HUM 1020	Humanities	(3 credits)	
LIT 2000	Introduction to Literature	(3 credits)	Prerequisite: ENC 1101
MUL 1010	Music Appreciation	(3 credits)	
PHI 2010	Introduction to Philosophy	(3 credits)	Prerequisite: ENC 1101
THE 2000	Theatre Appreciation	(3 credits)	

#### **MATHEMATICS (3.00 credits)**

MGF 1130	Mathematical Thinking	(3 credits)	Prerequisite: Student must meet the Developmental Education mathematics requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
MGF 1131	Mathematics in Context	(3 credits)	Prerequisite: Student must meet the Developmental Education mathematics requirements in state rule 6a-10.0315 (by course, placement score, or eligible exemption).

♦**Note:** Students must seek advisement for proper mathematics course from discipline chairperson.

#### **NATURAL SCIENCE (3.00 credits)**

AST 1002	Descriptive Astronomy	(3 credits)	
BSC 1005	General Education Biology	(3 credits)	
BSC 2010	Principles of Biology	(3 credits)	Pre/corequisites: BSC 2010L, CHM 1045
CHM 1020	General Education Chemistry	(3 credits)	
CHM 1045	General Chemistry and Qualitative Analysis	(3 credits)	Prerequisite: CHM 1025 or a passing score on the CART exam, MAC 1105; Corequisite: CHM 1045L
ESC 1000	General Education Earth Science	(3 credits)	
EVR 1001	Introduction to Environmental Science	(3 credits)	
GLY 1010	Physical Geology	(3 credits)	
OCE 1001	Introduction to Oceanography	(3 credits)	
PHY 1020	General Education Physics	(3 credits)	

#### **SOCIAL SCIENCE (3.00 credits)**

AMH 2010	History of the US to 1877	(3 credits)
AMH 2020	Introductory Survey Since 1877	(3 credits)
POS 2041	American Government	(3 credits)

**COMPUTER COMPETENCY**

Test type(s) needed:

Computer Competency Test (CCT)

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CGS 1060C Introduction to Computer Technology &amp; Applications

**MAJOR COURSE REQUIREMENTS (27.00 credits)****Group A (24.00 credits)**

HOS 1010	Horticulture 1	(3 credits)	Prerequisite: HOS 1010
HOS 1011	Horticulture 2	(3 credits)	
IPM 2112	Principles of Entomology	(3 credits)	
IPM 2301	Pesticide Applications	(3 credits)	
LDE 2310	Irrigation Design & Maintenance	(3 credits)	Prerequisite: HOS 1010
ORH 1251	Nursery Practices 1	(3 credits)	
ORH 2949	Landscape Technology Internship	(3 credits)	
SBM 1000	Small Business Management	(3 credits)	

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**Group B (3 credits)**

ORH 1510	Landscape Plant Identification 1	(3 credits)
BOT 2150C	Native Plant Identification and Usage in South Florida	(3 credits)

**MAJOR COURSE ELECTIVE (18.00 credits)**

ACG 2021	Financial Accounting	(3 credits)	Corequisite: ACG 2021L
ACG 2021L	Financial Accounting Lab	(1 credits)	Corequisite: ACG 2021
ACG 2071	Managerial Accounting	(3 credits)	Prerequisite: ACG 2001 and ACG 2011 or ACG 2021;
			Corequisite: ACG 2071L
ACG 2071L	Managerial Accounting Lab	(1 credits)	Prerequisite: ACG 2001, ACG 2011 or, ACG 2021, ACG 2021L;
			Corequisite: ACG 2071
ARC 2171	Computer Aided Draft 1	(4 credits)	Prerequisite: ARC 1126 or ARC 2461
BOT 1010	Introduction to Botany	(3 credits)	Corequisite: BOT 1010L
BOT 1010L	Introduction to Botany Lab	(1 credit)	Corequisite: BOT 1010
BOT 2150C	Native Plant Identification and Usage in South Florida	(3 credits)	
BSC 1005	General Education Biology	(3 credits)	
BSC 1050	Biology & Environment	(3 credits)	
BSC 2010	Principles of Biology	(3 credits)	Pre/corequisites: BSC 2010L, CHM 1045
BSC 2010L	Principles of Biology Lab	(2 credits)	Corequisites: BSC 2010
BSC 2011	Principles of Biology 2	(3 credits)	Prerequisites: BSC 2010, 2010L;
			Corequisite: BSC 2011L
BSC 2011L	Principles of Biology 2	(2 credits)	Prerequisites: BSC 2010L;
			Corequisite: BSC 2011
CGS 1060C	Introduction to Computer Technology & Applications	(4 credits)	
CHM 1020	General Education Chemistry	(3 credits)	
CHM 1025	Introductory Chemistry	(3 credits)	Prerequisite MAT 1033♦
CHM 1045	General Chemistry and Qualitative Analysis	(3 credits)	Prerequisite: CHM 1025 or a passing score on the CART exam, MAC 1105;
			Corequisite: CHM 1045L
CHM 1045L	General Chemistry and Qualitative Analysis Lab	(2 credits)	Prerequisite: CHM 1025 or a passing score on the CART exam, MAC 1105;
			Corequisite: CHM 1045
ECO 2013	Principles of Economics (Macro)	(3 credits)	
ESC 1000	General Education Earth Science	(3 credits)	
FIN 2000	Principles of Finance	(3 credits)	
IPM 2635	Introduction to plant pathology	(3 credits)	
LDE 2000	Planting Design 1	(4 credits)	Prerequisite: ORH 1510

MAC*			
MAN 2021	Principles of Management	(3 credits)	
MAR 1720	Introduction to E-Commerce	(3 credits)	
MAT 1033	Intermediate Algebra	(3 credits)	Prerequisites: MAT 0022C, or MAT 0028, Or MAT 0057 or by placement score, or eligible exemption.
MGF*			
MKA 1021	Fundamentals of Selling	(3 credits)	
ORH 1840C	Landscape Construction	(2 credits)	
ORH 2932	Special Topics in Landscaping	(1 credit)	
PLS 1005	Biology of Cannabis	(3 credits)	Prerequisite: HOS 1010
QMB 2100	Basic Business Statistics	(3 credits)	Prerequisite: Acceptable score on the Algebra Placement test or equivalent.
STA 2023	Statistical Methods	(3 credits)	Prerequisite: MAT 1033• or MGF 1131
TRA 2010	Introduction to Transportation and Logistics	(3 credits)	
ZOO 1010	Zoology	(3 credits)	Corequisite: ZOO 1010L
ZOO 1010L	Zoology Lab	(1 credit)	Corequisite: ZOO 1010

♦**Note:** Students must seek advisement for proper mathematics course from discipline chairperson.

**Additional Information**

- Students wanting to enroll in a Miami Dade College (MDC) Miguel B. Fernandez Family School of Global Business, Trade and Transportation Bachelor of Applied Science (BAS) degree, must see an advisor for appropriate course selection.