

Amarillo College Curriculum Map Template

Division:	STEM
Degree/Academic Program(s):	Horticulture (HORT.AS)
Dean:	Edie Carter
Chair/Director/Coordinator:	Richard Hobbs
Submission Date:	February 2, 2021

Goal 1: To give completers the ability to apply critical thinking and problem-solving skills in their career field. Outcomes including but not limited to, inquiring, synthesizing and summarizing to make decisions, recommendations and predictions.

Program-Specific Courses	PLO #1: Students will identify the various horticultural industries and their roles in our society	PLO #2: Students will learn investigative methods of environment manipulation for problem solving greenhouse operations, plan disease identification and pesticide management.	PLO #3: Students will use critical-thinking and scientific problem solving to make informed decisions and communicate effectively the results of scientific investigations	PLO #4: Students will apply scientific reasoning to investigate questions and utilize scientific and horticultural tools to collect and analyze data and demonstrate methods
BIOL 1411* Gen. Botany	I, D	I, D	I, D	I, D
AGRI 1407* Agronomy	I, D	I, D	I, D	I, D
HORT 1401 Horticulture	I, D	I, D	I, D	I, D

I = Introduced; D = Developed & Practiced with Feedback; M = Demonstrated at Mastery

Goal 2: Completers will be required to demonstrate their knowledge of the steps involved in scientific method. Outcomes including communicate results of scientific investigations, analyze data and formulate conclusions.

Program-Specific Courses	PLO #1: Demonstrate the steps involved in the scientific method	PLO #2: Communicate results of scientific investigations, analyze data and formulate conclusions to make informed decisions through using critical-thinking and scientific problem-solving skills	PLO #3: Explain the methods of inquiry used by scientists
BIOL 1411* Gen. Botany	I, D	I, D	I, D
AGRI 1407* Agronomy	I, D	I, D	I, D
HORT 1401 Horticulture	I, D	I, D	I, D

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