

Desert Food Production, Certificate

LSDFPRCERT

Are you a foodie passionate about urban farming and localism? Learn to grow edible organic plants in desert climates using sustainable practices.

Description

The certificate program in desert food production equips students interested in producing foods locally with the knowledge and skills they need in order to grow edible plants and navigate the challenges unique to desert climates.

Coursework in the program emphasizes organic food production, sustainable horticultural technologies, green waste reduction, water conservation, maintaining biodiversity and biological cycles, and enhancing soil quality.

Students gain marketable skills that enable them to participate in the growing trend of producing and supporting the consumption of local foods.

At a glance

- **College/School:** [College of Integrative Sciences and Arts](#)
- **Location:** [Polytechnic](#)

Program requirements

[2024 - 2025 Certificate Map](#)

[Certificate Map \(Archives\)](#)

The desert food production certificate requires 18 credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 12 credit hours

[ABS 260: Fundamentals of Sustainable Horticulture \(SG\)](#) (4)

[ABS 368: Plant Propagation](#) (3)

[ABS 460: Organic Gardening](#) (2)

[ABS 464: Desert Horticulture](#) (3)

Elective Courses -- 6 credit hours

At least four credit hours of certificate electives must be from upper-division courses.

[ABS 225: Soils \(SQ\)](#) AND [ABS 226: Soils Laboratory \(SQ\)](#) (4)

[ABS 360: Southwest Home Gardening](#) (2)

[ABS 414: Plant Pathology \(L\)](#) (3)

[ABS 365: Future of Agriculture: Vertical Farming](#) (3)

[ABS 462: Greenhouse/Nursery Management](#) (4)

[ABS 484: Internship](#) (2)

Notes: No more than two credit hours of ABS 484 Internship may be counted toward the certificate requirements.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

Enrollment requirements

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

This certificate is open to students in any major.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Career opportunities

Students can advance their career options with an undergraduate certificate.

Graduates who combine the certificate in desert food production with their major program of study may be more marketable to employers. Those who complete this undergraduate certificate along with their major often decide to pursue employment in nursery and greenhouse management, food science, or farm and ranch management.

Advanced degrees or certifications may be required for academic or clinical positions.

Contact information

School of Applied Sciences and Arts | SANCA 233

CISA@asu.edu | 480-727-1526