

Food Science and Safety

Food Science and Safety Certificate of Achievement

The Food Science and Safety Program will prepare students for careers in food quality control, sanitation, safety, processing, and product development. Upon completion of this program, employment opportunities include positions with food processing operations, local, state and federal food inspection services, food sanitation and public health services, and food research and development ventures. The HACCP curriculum in this program is accredited by the HACCP Alliance. Students completing the program coursework will receive a certificate with the International HACCP Alliance seal and also earn the Association of Food & Drug Officials (AFDO) Preventative Control Qualified Individual for Human Food (PCQI) Certificate.

Program student learning outcomes:

1. Students will identify sanitation and basic food safety concepts.
2. Students will identify verification and validation of Preventative Controls, Produce Safety Rule, Good Manufacturing Processes (GMPs), and Good Agricultural Practices.
3. Students will identify and apply FDA and USDA rules and regulations.
4. Students will identify the basics of Hazard Analysis Critical Control Points (HACCPs) and develop a HACCP plan.
5. Students will create a management plan for a given scenario.

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

Program Requirements

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (14 units)		
FSS 005	Food Safety Management With Application To Production Systems	3
FSS 020	Agriculture Laws and Regulations	2
FSS 025	Principles of Hazard Analysis and Critical Control	3
FSS 030	Audits, Preventive Controls and Produce Safety	3
FSS 040	Facility Food Safety Management	3
Plus 3 units from the courses below:		
FSS 010	Food Chemistry	3
FSS 015	Microbiology of Foods	4
FSS 035	Principles of Food Science	3
	Total	17-18