

# Integrated Pest Management

## Integrated Pest Management Certificate of Achievement

The Integrated Pest Management program prepares students for an agriculture production career; learning the skills needed for the production and care of agricultural crops through hands-on, real-world experience. Completion of the certificate qualifies students to enter the professional job market or the units may be applied as university transfer or to fulfill the education requirement for the California Department of Pesticide Regulation's (CDPR) Agricultural Pest Control Adviser (PCA) license. This certificate program is for students interested in careers as Pest Control Advisers, Certified Crop Consultants, Qualified Applicator's or Agri-chemical sales representatives.

### Program student learning outcomes:

1. Students will describe the advantages and disadvantages of biological, chemical, cultural, and mechanical pest control methods.
2. Students will create integrated pest management plans for common crops grown within region.
3. Students will demonstrate use of technology to develop pest management strategies.
4. Students will apply principles of soil science, plant science and ecology to develop pest management strategies.

### For Gainful Employment information please visit:

<https://westhillscollge.com/coalinga/degrees-and-certificates/gainful-employment/>

### Career and employment information may be obtained through:

- O\*Net, [www.onetonline.org](http://www.onetonline.org)
- Labor Market, California Employment Development Department, [www.labormarketinfo.edd.ca.gov](http://www.labormarketinfo.edd.ca.gov)

<i>Course #</i>	<i>Title</i>	<i>Units</i>
<b>Required Core Courses (11 Units)</b>		
CRPSCI 032 .	Weeds and Poisonous Plants .....	3
CRPSCI 044 .	Economic Entomology .....	3
CRPSCI 045 .	California Pest Control Laws and Regulations .....	2
CRPSCI 046 .	Integrated Pest Management .....	3
<b>Plus 3 units from the courses listed below:</b>		
CRPSCI 001 .	Introduction to Plant Science .....	3
CRPSCI 002 .	Plant Science Theory .....	3
<b>Plus 4 units from the courses listed below::</b>		
AG 011 . . . . .	Agriculture Sales and Communication .....	3
AGBUS 015 .	Computer Application to Agriculture .....	3
AET 010 . . . . .	Surveying .....	3
AET 015 . . . . .	CAD for Agriculture .....	2
AET 021 . . . . .	Ag-Irrigation Management .....	3
AET 022 . . . . .	Irrigation Evaluation and Design Principles .....	4
CRPSCI 006 .	Introduction to Precision Agriculture .....	3
CRPSCI 007 .	Advanced Precision Agriculture .....	3
CRPSCI 019 .	California Water .....	3
CRPSCI 036 .	Fertilizers and Soil Amendments .....	3
SLSCI 021 . .	Introduction to Soil Science .....	4
	<b>Total .....</b>	<b>18</b>