

# Courses - PCA License Requirements

Updated Winter, 2020

	Course Prefix and Number	Course Title	Units (Quarter)
<b>Physical &amp; Bio. Sciences</b>			<b>18</b>
	AEPS 110	People, Pests and Plagues	4
	AEPS 304	Plant Breeding	4
	AEPS 329	Plants, Food and Biotechnology	4
	AEPS 410	Crop Physiology	4
	AEPS 415	Grapevine Physiology	4
	BIO-Any	Any	Variable
	BOT-Any	Any	Variable
	CHEM-Any	Any	Variable
	MCRO 221	Microbiology	4
	MCRO 224	General Microbiology I	5
	MCRO 225	General Microbiology II	5
	MCRO 301	Wine Microbiology	4
	MCRO 402	General Virology	4
	MCRO 424	Microbial Physiology	5
	ZOO-Any	Any	Variable
<b>Crop Health</b>			<b>13.5</b>
	AEPS 244	Precision Farming	4
	AEPS 313	Agricultural Entomology	4
	AEPS 321	Weed Biology and Management	4
	AEPS 327	Vertebrate Pest Management	4
	AEPS 350	Abiotic Plant Problems	3
	AEPS 406	Advanced Weed Management	4
	AEPS/BOT 323	Plant Pathology	4
	ASCI 203	Animal Parasitology	3
	BOT 431	Advanced Plant Pathology	4
	BRAE 236	Principles of Irrigation	4
	BRAE 331	Irrigation Theory	3

	BRAE 337	Landscape Irrigation	4
	BRAE 340	Irrigation Water Management	4
	BRAE 405	Chemigation	1
	BRAE 438	Drip/Micro Irrigation	4
	BRAE 440	Agricultural Irrigation Systems	4
	NR 402	Forest Health	4
	SS 121	Introductory Soil Science	4
	SS 131	Soils in Environmental and Ag. Systems	4
	SS 221	Fertilizers and Plant Nutrition	4
	SS 322	Soil Plant Relationships	4
	SS 422	Soil Ecology	4
	SS 423	Environmental Soil and Water Chemistry	5
	SS 432	Environmental Soil Physics	5
	SS 440	Forest and Range Soils	4
<b>Pest Mgt. Syst. and Methods</b>			<b>9</b>
(with at least one course emphasizing integrated pest management principles)	AEPS 313	Agricultural Entomology	4
	AEPS 321	Weed Biology and Management	4
	AEPS 327	Vertebrate Pest Management	4
	AEPS 406	Advanced Weed Management	4
	AEPS/WVIT 414	Grape Pest Management	4
	AEPS 427	Disease and Pest Control Systems for Ornamental Plants	4
	AEPS 431	Insect Pest Management	4
	AEPS 441	Biological Control for Pest Management	4
	ASCI 203	Animal Parasitology	3
<b>Prod. Systems</b>			<b>9</b>
	AEPS 120	Principles of Horticulture and Crop Sci.	4
	AEPS 123	Landscape Installation and Maintenance	4
	AEPS 124	Plant Propagation	4

	AEPS 132	Pomology I	4
	AEPS 133	Pomology II	4
	AEPS 150	Forage Crops	4
	AEPS 175	Beekeeping	3
	AEPS 190	California Vegetable Production	4
	AEPS 202	Fruit Enterprise	2
	AEPS 203	Organic Enterprise	2
	AEPS 204	Vegetable Enterprise	2
	AEPS 212	Environmental Hort. Enterprise Project I.	1-4
	AEPS 230	Environmental Horticulture	4
	AEPS 233	Plant Materials I	4
	AEPS 234	Plant Materials II	4
	AEPS 240	Commercial Seed Production	4
	AEPS 244	Precision Farming	4
	AEPS 245	Horticultural Production Techniques	3
	AEPS 250	California Fruit Growing	4
	AEPS 260	Introduction to Vegetable Science	4
	AEPS 312	Environmental Hort. Enterprise Project II.	2-4
	AEPS/AG 315	Organic Agriculture	4
	AEPS 316	Herbaceous and Specialty Plant Production	4
	AEPS 324	Interior Plant Management	4
	AEPS 333	Greenhouse Vegetable Production	2
	AEPS 340	Principles of Greenhouse Environment	4
	AEPS 341	Cut Flower Production	4
	AEPS 342	Potted Plant Production	4
	AEPS 343	Turfgrass Management	4
	AEPS 355	Citrus and Avocado Fruit Production	4
	AEPS 381	Native Plants for California Landscapes	4
	AEPS 382	Restoration Horticulture	4
	AEPS 402	Fruit Enterprise Project Management	2
	AEPS 403	Organic Enterprise Project Management	2
	AEPS 404	Vegetable Enterprise Project Management	2
	AEPS 421	Postharvest Technology for Horticultural	4
	AEPS 423	Advanced Vegetable Science	4
	AEPS 424	Nursery Crop Production	4
	AEPS 425	Arboriculture	4

	AEPS 434	Landscape Management	4
	AEPS 445	Cropping Systems	4
	AEPS/WVIT 210	Viticultural Practices	2
	AEPS/WVIT 231	Viticulture I	4
	AEPS/WVIT 311	Survey of Viticulture	4
	AEPS/WVIT 331	Advanced Viticulture - Fall	4
	AG/ASCI 360	Holistic Management	4
	AG 450	Applied Holistic Management	4
	ASCI 101	Introduction to the Animal Sciences	2
	ASCI 112	Principles of Animal Science	4
	ASCI 221	Introduction to Beef Production	4
	ASCI 222	Systems of Swine Production	4
	ASCI 223	Systems of Small Ruminant Management.	4
	ASCI 224	Equine Science	4
	ASCI 225	Introduction to Poultry Management	4
	ASCI 225	Introduction to Poultry Management	4
	ASCI 231	General Animal Science	3
	ASCI 232	General Animal Science Laboratory	1
	ASCI 305	Game Bird Propagation and Management	4
	ASCI 311	Adv. Beef Cattle System Management	4
	ASCI 325	Egg Prod., Processing and Distribution	4
	ASCI 325	Egg Production, Processing and Distribution	4
	ASCI 329	Principles of Range Management	3
	DSCI 121	Elements of Dairying	4
	DSCI 230	General Dairy Husbandry	4
	DSCI 333	Dairy Animal Health, Safety and Applied Technology.	4
	DSCI 432	Advanced Dairy Herd Management	4
	NR 141	Introduction to Forest Ecosystem Management	3
	NR 260	Forest Practices and Environmental Protection	4
	NR 350	Urban Forestry	3
	NR 365	Silviculture and Vegetation Management	4
	NR 414	Sustainable Forest Management	4
	NR 504	Agroforestry Systems	2

	<b>WVIT 232</b>	<b>Basic Viticulture</b>	<b>4</b>
	<b>WVIT 332</b>	<b>Advanced Viticulture - Winter</b>	<b>4</b>
	<b>WVIT 333</b>	<b>Advanced Viticulture - Spring</b>	<b>4</b>

<b>Electives</b>		May be a course listed in the Crop Health, Pest Management Systems and Methods, and Production Systems core areas	<b>13.5</b>