



**California State Polytechnic University, Pomona  
DEGREE REQUIREMENT EVALUATION**

ELM Satisfied \_\_\_ Yes \_\_\_ No  
 EPT Satisfied \_\_\_ Yes \_\_\_ No  
 GWT Satisfied \_\_\_ Yes \_\_\_ No

MAJOR AGRONOMY (1400)  
 OPTION/EMPHASIS Crop Science (1402)  
 UNITS REQUIRED 194

NAME \_\_\_\_\_  
 LAST FIRST MI  
 STUDENT I.D. # \_\_\_\_\_

TERM ADMITTED \_\_\_\_\_ YEAR: **2004-2005**  
 EVALUATOR \_\_\_\_\_  
 DATE \_\_\_\_\_  
 UPDATES \_\_\_\_\_

CORE COURSES	Units	SUPPORT COURSES	Units	GENERAL EDUCATION. Students may fulfill these requirements at Cal Poly Pomona with the General Education (GE) or the Interdisciplinary General Education (IGE) Programs. Select courses from approved lists shown in the Schedule of Classes unless specified.	Units
Orientation to the College of Ag	AG 100	1	Integrated Pest Management	AGB 231	3
Agriculture and the Modern World	AG 101	4	College Chemistry	CHM 122/122L	4
Ethical Issues in Agriculture	AG 401	4	Elements of Organic Chemistry	CHM 201	3
Introduction to Arthropods	AGB 165/165L	4	Elements of Organic Chem Lab	CHM 250	1
Environmental Toxicology	AGB 411	4	Soil Fertility & Fertilizers	SS 233/233L	4
Weeds & Weed Control	AGR 330/330L	4	Statistics with Applications	STA 120*	4
Crop Ecology	AGR 401	4	*(If used for GE, see Department advisor)		
Senior Project	AGR 461	2	Directed Electives – Please refer		
Senior Project	AGR 462	2	to lists on the reverse side of this		
Undergraduate Seminar	HPS 463	2	curriculum sheet.		38
Plant Structures & Functions	BOT 124/124L	5			
Plant Pathology	BOT 323/323L	4			
Basic Soil Science	SS 231/231L	4			
Agronomic Practices	AGR 120/120L	4			
Field Crop Systems	AGR 220/220L	4			
Pasture & Forage Systems	AGR 223/223L	4			
Vegetable Crop Systems	AGR 226/226L	4			
Plant Breeding	AGR 404/404L	4			
Crop Diseases	AGR 421/421L	4			
			<b>SUMMARY OF ADVANCED STANDING CREDIT:</b> Earned Hours _____ G.P.A. Hours _____ Quality Points _____ G.P.A. _____		
				<b>Area A Communication and Critical Thinking– 12 units</b> 1 Written Communication 4 2 Oral Communication 4 3 Critical Thinking 4  <b>Area B Math and Natural Sciences–17 units</b> 1 Mathematics and Quantitative Reasoning 4 2 <u>CHM 121/121L</u> 4 3 <u>BIO 115/115L</u> 5 4 Science and Technology Synthesis 4  <b>Area C Humanities– 16 units</b> 1 Fine/Performing Arts 4 2 Philosophy and Civilization 4 3 Literature and Foreign Language 4 4 Humanities Synthesis 4  <b>Area D Social Sciences– 20 units</b> 1a PLS 201 4 1b HST 202 4 2 History, Economics, and Political Science 4 3 Sociology, Anthropology, Ethnic, and Gender Studies 4 4 Social Science Synthesis 4  <b>Area E Lifelong Understanding and Self-Development–4 units</b> 4  GENERAL EDUCATION (above areas) 69	
<b>UNITS REQUIRED:</b>	<b>68</b>	<b>UNITS REQUIRED:</b>	<b>57</b>	<b>UNITS REQUIRED:</b>	<b>69</b>

NOT MORE THAN 105 UNITS FROM A COMMUNITY COLLEGE NOR MORE THAN 36 UNITS OF EXTENSION WORK MAY BE APPLIED TOWARD A BACHELOR'S DEGREE.  
 A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR.

## DIRECTED ELECTIVES FOR CROP SCIENCE

### Basic Science: Minimum 8 Units

BIO 201	Environmental Conservation	3
CHM 123	College Chemistry	3
CHM 123L	College Chemistry Lab	1
MIC 201	Basic Microbiology	5
PHY 121	College Physics	3
PHY 121/L	College Physics Lab	1
PHY 122	College Physics	3
PHY 122/L	College Physics Lab	1

### Advanced Science: Minimum 20 Units

BIO 303	Genetics	4
BIO 325/325L	Principles of Ecology	4
BIO 211/211L	Biometrics	3
BIO 421	Advanced Genetics	3
BIO 431	Radiation Biology	4
BOT 422	Plant Physiology	5
CHM 321	Biochemistry	4
MAT 114	Analytical Geo. & Calculus	4
SS 431	Soil Chemistry	4
SS 432	Soil Physics	4
Any 400 Level - Botany/Bio Course		4/5

### Agricultural Support: Minimum 10 Units

AE 240/240L	Agricultural Irrigation	4
AG 464	Development of Leadership Skills	3
AGB 228	Ag. Insect Pests	4
AGB 301	Pesticide & Haz. Material Laws	3
AGB 323	Vertebrate Pest Management	4
AGB 325	Produce Quality	3
AGB 403	Biological Control	4
AGB 424	Pest Control Methodology	3
AGB 470	Plant Growth Regulators	3
AGR 322	Crop Quality & Utilization	4
AGR 331	Seed Production	4
AGR 351	Post Harvest Physiology	4
AGR 437	Environmentally Sustainable Ag.	4
AGR 441	Internship in Agronomy	4
FMA 311	Applied Economics for Ag. Bus.	4
FN 305	Nutrition, Science and Health	4
FN 325	Food Safety and Current Issues	4
FN 420	Food Chemistry	4
HOR 131	Landscape Horticulture Principles	4
SS 332	Soil Materials & Management	4
SS 334	Soil Resource Conservation	4
SS 339	Soil & Plant Analysis	3