



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

ELM Satisfied ___ Yes ___ No
 EPT Satisfied ___ Yes ___ No
 GWT Satisfied ___ Yes ___ No

MAJOR HORTICULTURE (1450)
 OPTION/EMPHASIS Ornamental Horticulture (1452)
 UNITS REQUIRED 194

NAME _____
 LAST FIRST MI
 STUDENT I.D. # _____

TERM ADMITTED _____ YEAR: **2003-2004**
 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. | |
|--|------------------------------|---|-------|--|---------------------------|
| Orientation to College of Ag Agriculture & the Modern World | AG 100 AG 101 | Vegetable Crop Systems | 4 | GENERAL EDUCATION COURSES Area A Communication and Critical Thinking-- 12 units 1 Written Communication 4 2 Oral Communication 4 3 Critical Thinking 4 Area B Math and Natural Sciences--17 units 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 Area C Humanities-- 16 units 1 Fine/Performing Arts 4 2 Philosophy and Civilization 4 3 Literature and Foreign Language 4 4 Humanities Synthesis 4 Area D Social Sciences-- 20 units 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 Area E Lifelong Understanding and Self-Development--4 units 4 GENERAL EDUCATION (above areas) 69 | |
| Ethical Issues in Agriculture | AG 401 | Plant Physiology | 5 | | |
| Introduction to Arthropods | AGB 165/165L | College Chemistry | 4 | | |
| Environmental Toxicology | AGB 411 | Fruit Science Fundamentals | 4 | | |
| Weeds & Weed Control | AGR 330/330L | | | | |
| Crop Ecology | AGR 401 | Directed Electives | 41 | | |
| Plant Structures & Functions | BOT 124/124L | Students following the option in ornamental horticulture must complete 41 units of directed electives (listed on the reverse side) by selecting one of the following five career tracks. Students are encouraged to work closely with their advisors when selecting these career tracks. Landscape Management Turfgrass Management Nursery Management Horticultural Science Park Administration* *See department office for list. | | | |
| Plant Pathology | BOT 323/323L | | | | |
| Senior Project | HOR 461 | | | | |
| Senior Project | HOR 462 | | | | |
| Undergraduate Seminar | HPS 463 | | | | |
| Basic Soil Science | SS 231/231L | | | | |
| Landscape Hort Princ & Prac | HOR 131/131L | | | | |
| Plant Propagation | HOR 132/132L | | | | |
| Plant Materials I | HOR 231/231L | | | | |
| Plant Materials II | HOR 232/232L | | | | |
| Plant Materials III | HOR 233/233L | | | | |
| Turfgrass Management or Greenhouse Management | HOR 240/240L HOR 323/323L | | (4) | | |
| UNITS REQUIRED: 67 | | UNITS REQUIRED: 58 | | | UNITS REQUIRED: 69 |

SUMMARY OF ADVANCED STANDING CREDIT:
 Earned Hours _____
 G.P.A. Hours _____
 Quality Points _____
 G.P.A. _____

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.

Career Tracks in Ornamental Horticulture

Directed Electives for Landscape Management (Revised 1998)

Required - 22 units

| | | |
|---------|-----------------------------|---|
| AE 124 | Landscape Construction | 3 |
| LIS 231 | Sprinkler Irrig. | 4 |
| HOR 211 | Landscape Drafting & Design | 4 |
| HOR 328 | Arboriculture | 3 |
| HOR 416 | Landscape Contracting & Est | 4 |
| HOR 443 | Landscape Management | 4 |

Agricultural Support – Minimum 11 units

| | | |
|---------|--------------------------------|-----|
| AE 232 | General Surveying | 2 |
| AG 464 | Develop of Leadership Skills | 3 |
| AGB 228 | Ag Insect Pests | 4 |
| AGB 231 | Integrated Pest Management | 3 |
| AGB 301 | Pesticide & Haz. Mat. Laws | 3 |
| AGB 470 | Plant Growth Regulators | 3 |
| HOR 214 | History of Garden Art | 4 |
| HOR 240 | Turfgrass Mgmt | (4) |
| HOR 323 | Greenhouse Mgmt | (4) |
| HOR 336 | Native Plant Materials | 3 |
| HOR 360 | Landscape Develop & Design | 4 |
| HOR 420 | Urban Forestry | 4 |
| HOR 422 | Advanced Plant Propagation | 4 |
| HOR 435 | Hort. Plant Production | 4 |
| HOR 437 | Sports Turf & Adv Turf Sci | 4 |
| HOR 439 | Interior Land. Mgt. & Des. | 3 |
| LIS 241 | Computer Aided Drafting | 4 |
| LIS 322 | Golf Course Irrig II | 4 |
| LIS 340 | Drip Irrigation | 3 |
| LIS 341 | Landscape Drainage | 4 |
| LIS 365 | Automatic Irrig. Sys. Controls | 4 |
| SS 233 | Soil Fertility & Fertilizers | 4 |
| SS 332 | Soil Materials & Mgmt | 4 |
| SS 334 | Soil Resource Conservation | 4 |
| SS 339 | Soil & Plant Analysis | 3 |

Business Management – Minimum 4 units

| | | |
|---------|-------------------------------|---|
| FRL 201 | Legal Envir. of Bus Trans. | 4 |
| MHR 301 | Principles of Management | 4 |
| MHR 311 | Human Resource Mgmt | 4 |
| MHR 318 | Org. Beh./Multi-Cultural Env. | 4 |
| IBM 301 | Principles of Marketing Mgt. | 4 |
| IBM 302 | Marketing Strategy | 4 |
| PSY 332 | Industrial & Personnel Psych. | 4 |
| PSY 420 | Environmental Psych. | 4 |

Science Support – Minimum 4 units

| | | |
|---------|-------------------------|-----|
| HOR 427 | Diseases of Orn. Plants | 4 |
| Any 400 | Level Botany/Bio Course | 4/5 |

Directed Electives for Turfgrass Management (Revised 1998)

Required - Minimum 19 units

| | | |
|---------|----------------------------|---|
| HOR 328 | Arboriculture | 3 |
| HOR 436 | Golf Course Management | 4 |
| HOR 437 | Sports Turf & Adv Turf Sci | 4 |
| HOR 443 | Landscape Management | 4 |
| LIS 231 | Sprinkler Irrig | 4 |

Agricultural Support – Minimum 10 units

| | | |
|---------|------------------------------|-----|
| AE 124 | Landscape Construction | 3 |
| AE 232 | General Surveying | 2 |
| AG 464 | Develop of Leadership Skills | 3 |
| AGB 228 | Ag Insect Pests | 4 |
| AGB 231 | Integrated Pest Management | 3 |
| AGB 301 | Pesticide & Haz. Mat Laws | 3 |
| AGB 470 | Plant Growth Regulators | 3 |
| AGR 331 | Seed Production | 4 |
| AGR 404 | Plant Breeding | 4 |
| HOR 211 | Landscape Drafting & Design | 4 |
| HOR 214 | History of Garden Art | 4 |
| HOR 240 | Turfgrass Mgmt | (4) |
| HOR 323 | Greenhouse Mgmt | (4) |
| HOR 336 | Native Plant Materials | 3 |
| HOR 360 | Landscape Develop & Design | 4 |
| HOR 416 | Landscape Contract & Est | 4 |
| HOR 420 | Urban Forestry | 4 |
| LIS 241 | Computer Aided Drafting | 4 |
| LIS 322 | Golf Course Irrig. II | 4 |
| LIS 365 | Automatic Irrig Sys Controls | 4 |
| SS 233 | Soil Fertility | 4 |
| SS 332 | Soil Materials & Mgmt | 4 |
| SS 334 | Soil Resource Conservation | 4 |
| SS 339 | Soil & Plant Analysis | 3 |

Business Management – Minimum 4 units

| | | |
|---------|-------------------------------|---|
| FRL 201 | Legal Env of Bus Trans | 4 |
| HRT 320 | Club Management | 4 |
| IBM 301 | Princ. of Marketing Mgt. | 4 |
| MHR 301 | Princ. of Management | 4 |
| MHR 311 | Human Resources Mgmt. | 4 |
| MHR 322 | Intro. to Internation Bus. | 4 |
| MHR 318 | Org. Behav./Multi-Cul. Env. | 4 |
| PSY 332 | Industrial & Personnel Psych. | 4 |
| PSY 420 | Environmental Psych. | 4 |

Science Support – Minimum 8 units

| | | |
|---------|----------------------------|-----|
| BIO 303 | Genetics | 4 |
| BIO 201 | Environmental Conservation | 3 |
| CHM 201 | Organic Chemistry | 3 |
| CHM 250 | Organic Chemistry Lab | 1 |
| HOR 427 | Diseases of Orn. Plants | 4 |
| SS 431 | Soil Chemistry | 4 |
| SS 432 | Soil Physics | 4 |
| ANY 400 | Level Botany/Bio Course | 4/5 |

Directed Electives for Nursery Management (Revised 1998)

Required - 19 units

| | | |
|---------|--------------------------------|---|
| HOR 224 | Nursery Management | 4 |
| HOR 422 | Advanced Plant Propagation | 4 |
| HOR 435 | Hort Plant Production | 4 |
| HOR 439 | Interior Landscape Mgmt. & Des | 3 |
| SS 233 | Soil Fertility & Fertilizers | 4 |

Agricultural Support – Minimum 10 units

| | | |
|---------|--------------------------------|-----|
| AG 464 | Develop of Leadership Skills | 3 |
| AGB 228 | Ag Insect Pests | 4 |
| AGB 231 | Integrated Pest Management | 3 |
| AGB 301 | Pesticide & Haz Materials Laws | 3 |
| AGB 470 | Plant Growth Regulators | 3 |
| AGR 331 | Seed Production | 4 |
| AGR 351 | Post Harvest Physiology | 4 |
| FI 201 | Citrus & Avocado Production | 4 |
| HOR 211 | Landscape Drafting & Design | 4 |
| HOR 214 | History of Garden Art | 4 |
| HOR 240 | Turfgrass Mgmt | (4) |
| HOR 323 | Greenhouse Mgmt | (4) |
| HOR 223 | Basic Floral Design* | 4 |
| HOR 328 | Arboriculture | 3 |
| HOR 336 | Native Plant Materials | 3 |
| HOR 360 | Landscape Dev. & Design | 4 |
| HOR 420 | Urban Forestry | 4 |
| LIS 231 | Sprinkler Irrigation | 4 |
| LIS 340 | Drip Irrigation | 3 |
| LIS 365 | Automatic Irr. System Controls | 4 |
| SS 332 | Soil Materials & Management | 4 |
| SS 339 | Soil & Plant Analysis | 3 |

Business Management – Minimum 4 units

| | | |
|---------|-------------------------------|---|
| FRL 201 | Legal Envir. of Bus. Trans. | 4 |
| IBM 301 | Principles of Management | 4 |
| MHR 311 | Human Resources Management | 4 |
| MHR 318 | Org Behav/Multicul Env | 4 |
| MHR 322 | Intro. to International Bus. | 4 |
| IBM 301 | Principles of Marketing Mgmt. | 4 |
| IBM 302 | Marketing Strategy | 4 |
| IBM 308 | Retail Management | 4 |
| PSY 332 | Industrial & Personnel Psych. | 4 |
| PSY 420 | Environmental Psych. | 4 |

Science Support – Minimum 8 units

| | | |
|---------|-------------------------------|-----|
| AGR 404 | Plant Breeding | 4 |
| AGR 421 | Crop Diseases | 4 |
| BIO 201 | Environmental Conservation | 3 |
| BIO 303 | Genetics | 4 |
| CHM 201 | Organic Chemistry | 3 |
| CHM 250 | Organic Chemistry Lab | 1 |
| HOR 427 | Diseases of Ornamental Plants | 4 |
| SS 431 | Soil Chemistry | 4 |
| Any 400 | Level Botany/Bio Course | 4/5 |

Directed Electives for Horticulture Science (Revised 1998)

Required - 20 units

| | | |
|----------|--------------------------------|---|
| BIO 303 | Genetics | 4 |
| CHM 123 | College Chemistry | 3 |
| CHM 123L | College Chemistry Lab | 1 |
| CHM 201 | Organic Chemistry | 3 |
| CHM 250 | Organic Chemistry | 1 |
| STA 120 | Statistics w/Applications | 4 |
| MAT 114 | Analytical Geometry & Calculus | 4 |

Agricultural Support – Minimum 9 units

| | | |
|---------|--------------------------------|-----|
| AGR 464 | Develop of Leadership Skills | 3 |
| AGB 231 | Integrated Pest Mgmt. | 3 |
| AGB 470 | Plant Growth Regulators | 3 |
| AGR 404 | Plant Breeding | 4 |
| HOR 211 | Landscape Drafting & Design | 4 |
| HOR 214 | History of Garden Art | 4 |
| HOR 240 | Turfgrass Mgmt | (4) |
| HOR 323 | Greenhouse Mgmt | (4) |
| HOR 328 | Arboriculture | 3 |
| HOR 336 | Native Plant Materials | 3 |
| HOR 360 | Landscape Develop & Design | 4 |
| HOR 420 | Urban Forestry | 4 |
| HOR 422 | Advanced Plant Propagation | 4 |
| HOR 435 | Hort Plant Production | 4 |
| HOR 443 | Landscape Management | 4 |
| LIS 231 | Landscape Sprinkler Irrigation | 4 |
| SS 233 | Soil Fertility | 4 |
| SS 332 | Soil Materials & Management | 4 |
| SS 334 | Soil Resource Conservation | 4 |
| SS 339 | Soil & Plant Analysis | 3 |

Science Support – Minimum 12 units

| | | |
|--------------|----------------------------|-----|
| BIO 201 | Environmental Conservation | 3 |
| BIO 211/211L | Biometrics | 3/1 |
| CHM 221 | Quantative Chemistry | 4 |
| CHM 321 | Biochemistry | 4 |
| MIC 201 | Microbiology | 5 |
| PHY 121 | College Physics | 3 |
| PHY 122 | College Physics | 3 |
| PHY 141 | College Physics Lab | 1 |
| PHY 142 | College Physics Lab | 1 |
| SS 431 | Soil Chemistry | 4 |
| SS 432 | Soil Physics | 4 |
| Any 400 | Level Botany/Bio Course | 4/5 |

*Mt. SAC Transfer Course