**2006-2007 Curriculum Check Sheet**  
**Arizona State University Polytechnic**  
**East College**  

**Name** _______________________________________________  
**Major** Applied Biological Sciences  
**Degree** BS

## I. English Proficiency (6 hrs)  
(University requirement - “C” min required)  
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- ENG 101 First-Year Comp (3) and  
- ENG 102 First-Year Comp (3) or, if eligible,  
- ENG 105 Adv First-Year Comp (3)  
  (see Catalog for eligibility requirements)

Sub Total (I) ________

## II. General Studies (35 hrs) (see Catalog for approved courses)

### A. Humanities & Social Sciences (15 hrs)  
Combined requirement: Six hours in one area, nine hours in the other, and three hours must be upper-division.  
_Humanities/Fine Arts (6-9 hrs min.) (HU)_  
_Social/Behavioral Sciences (6-9 hrs min) (SB)_

### Awareness Areas  
- Cultural, Global and Historical awareness areas must be satisfied. Courses that are listed for a core and awareness area may satisfy both requirements concurrently, as may courses that are listed for more than one awareness area.

- **C:**  
- **G:**  
- **H:**

### B. Literacy/Critical Inquiry (6 hrs min)

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### C. Natural Sciences (8 hrs min)  
SQ/SG: At least four hours must be SQ  
SQ/SG: BIO 187 General Biology 1 SQ (4)  
SQ/SG: BIO 188 General Biology 2 SQ (4)

### D. Mathematical Studies (6 hrs min)  
One MA (mathematics course) and one CS (Computer/statistics/quantitative applications) course.

- **MA:** MAT 210 Brief Calculus (3)
- **CS:** ABS 350 Applied Statistics or equivalent (3)

Sub Total (II) ________

## III. Applied Biological Sciences Core (*May be cross listed with General Studies*)

- BIO 187 General Biology I (4) SG  
- BIO 188 General Biology II (4) SQ  
- ABS 300 Environmental Biology (3)  
- ABS 302 Ethical and Policy Issues in Biology (2)  
- BIO 340 General Genetics (4)  
- ABS 350 Applied Statistics or equivalent (3) CS  
  Choose one of the three courses below:  
  - BIO 360 Animal Physiology (3)  
  OR  
  - PLB 308 Plant Physiology (4)  
  OR  
  - ABS 311 Applied Cell Biology  
  - MAT 210 Brief Calculus (3) MA  
  - CHM 113 General Chemistry (4) SQ

Sub Total (III) ________

## IV. Urban Horticulture Concentration

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- ABS 225 Soils (3)  
- ABS 226 Soils Lab (1)  
- ABS 260 Fund. of Urban Horticulture SG (4)  
- ABS 362 Landscape Plants (4)  
- ABS 363 Landscape Practices (4)  
- ABS 364 Urban Forestry (4)  
  Choose between the two courses below:  
  - ABS 462 Greenhouse Nursery Mgt (4)  
  OR  
  - ABS 463 Sports and Recreational Turf (3)  
  Choose between the two courses below:  
  - PLB 414 Plant Pathology L (4)  
  OR  
  - PGM 466 Integrated Pest Control (2)  
  Choose between the two courses below:  
  - ABS 484 Internship (3)  
  OR  
  - ABS 465 Senior Enterprise Project (3)  
  OR  
  - ABS 492 Honors Directed Study (3)  
  Choose between the two courses below:  
  - CHM 231 Elem. Organic Chemistry SQ (3)  
  Approved Upper-Division Electives: (6)

Total: (36 - 40)

Note: BIO 187, BIO 188, MAT 210, and ABS 350 must be used for both General Studies and concentration requirements to allow graduation within 120 hours.

## TOTAL PROGRAM HOURS:

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- I. English  
- II. General Studies  
- III. ABS Core  
- IV. Urban Horticulture Concentration  
- Upper-Division Electives  
- Total Program Hours

Graduation Requirements (Regular Curriculum –120 hours)  
Total upper-division hours ________ (minimum required 45)