

# B.S. Environmental & Water Resource Economics (EWRE)

## I. General Education: Foundations (15–18 units)

Pima Community College

### A. Freshman Composition (6 units)

\_\_\_\_\_  [WRT 101/107](#) \_\_\_\_\_  [WRT 102/108](#)  
 UA ENGL101/107 ENGL102/108

*\*C or higher grades required in order to transfer eligible courses.*

*\*64 transfer units max to apply toward total degree units of 120. Units exceeding this max may still fulfill required courses but not provide additional units beyond the max.*

**All Students: Mid-Career Writing Assessment (MCWA):** Complete 2nd semester English Composition with a B grade or higher. Students who do not earn a grade of B or higher in 2nd semester English Composition must satisfy a college or department writing requirement. Course options for a B or higher are: AED301, AGTM422, AREC360, AREC450, AREC464, AREC479, ENGL307, ENGL308 and ENGL340. Earning a B grade or higher in any of the above courses will complete this requirement.

### B. Second Language (One of the following)

\_\_\_\_\_ Score the equivalent or higher of second-semester proficiency on a proficiency examination administered by the University of Arizona.

\_\_\_\_\_ Complete a second semester course at the post-secondary level with a grade of **C or better**.

\_\_\_\_\_ Achieve an AP score of 3 or higher or a CLEP score of 55 or higher. [American students who are native speakers of languages other than English (e.g., Spanish, American Sign Language, Navajo) will be accommodated by the appropriate department. Foreign students who are native speakers of languages other than English may fulfill the second language requirement through proficiency in English as long as they have taken the CLEP exam upon applying to the University.]

### C. Mathematics

\_\_\_\_\_  [MAT 151](#) College Algebra (UA MATH 112)

\_\_\_\_\_  [MAT 167](#) Intro Stats (UA MATH 163) AGECEC  
 OR

\_\_\_\_\_  [BUS 205](#) Intro Stats for bus. majors (UA BNAD 276, - PCC ABUS)

} One intro stats course is required, choose one

\_\_\_\_\_  [MAT 212](#) Topics in Calculus (UA MATH 113/116)

OR

\_\_\_\_\_  [MAT 220](#) Calculus 1 (UA MATH 122A & 122B)

} One calculus course is required, choose one



THE UNIVERSITY OF ARIZONA  
 COLLEGE OF AGRICULTURE & LIFE SCIENCES

**Agricultural &  
 Resource Economics**

## II. Tier 1 (18 units) *AGEC will complete these General Education Requirements*

A. Individuals & Societies [INDV] (2 courses) 150's

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B. Natural Sciences [NATS] (2 courses) 170's

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C. Traditions & Cultures [TRAD] (2 courses) 160's

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## Tier 2 (12 units) *AGEC will complete these General Education Requirements*

A. Arts (1 course from approved list) (3 units total)

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B. Humanities (1 course from approved list)

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C. Natural Sciences (1 course from approved list)

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D. Individuals and Societies

*Satisfied by major requirements*

E. Diversity Emphasis (1 course from approved list, some Tier 2 Arts, some Tier 2 Humanities and all 160A courses also can complete the diversity emphasis requirement)

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### III. Environmental & Water Resource Economics

#### A. Communication Skills Courses (Complete 2 courses from this) (S) = spring (F) = fall offering

- \_\_\_\_\_  AED 301 Youth Leadership
- \_\_\_\_\_  AED 309 Leadership Principles & Practice
- \_\_\_\_\_  AED 311 Professional Leadership Concepts
- \_\_\_\_\_  AED 409 Team & Organization Leadership
- \_\_\_\_\_  AED 410 Entrepreneurial Leadership in Ag & Life Sciences
- \_\_\_\_\_  AED 411 Principles & Appl. Of Org. Innovation
- \_\_\_\_\_  AGTM 422 Communication Knowledge in Ag & Life Sciences
- \_\_\_\_\_  COMM 101 Into to the Study of Communication (PCC: CMN 102)
- \_\_\_\_\_  COMM 119 Public Speaking (PCC: CMN 110)
- \_\_\_\_\_  ENGL 307 Business Writing
- \_\_\_\_\_  ENGL 308 Technical Writing
- \_\_\_\_\_  ENGL 340 Topics in Professional & Technical Writing
- \_\_\_\_\_  HED 201 Foundations of Leadership
- \_\_\_\_\_  HED 397b Project SOAR (2 units)
- \_\_\_\_\_  SBE 202 Professional Communication & Presentations (SP)

#### B. Computer Skills (4 units), both courses are required

- \_\_\_\_\_  ABE 120 Microcomputing Applications OR \_\_\_\_\_  MIS 111 Introduction to Computing (Sp) (PCC CIS 120)
- AND**
- \_\_\_\_\_ AREC 297 Excel Applications for Econopmics Analysis (Sp only, 1 unit, UA Only)

#### C. Introductory Economics

- \_\_\_\_\_  ECON 201a Principles of Economics (Micro) (PCC: ECN 201)
- \_\_\_\_\_  ECON 201b Principles of Economics (Macro) (PCC: ECN 202)

# IV. Environmental & Water Resource Economics Courses (45 units)

Required Core Courses (24 units) UA Only Courses below.

- \_\_\_\_\_  AREC 304 Interm. Production and Consumption Analysis (F) (Calc. req.) \*\* } Choose one of these  
\_\_\_\_\_  ECON 301 Microeconomic Analysis and Applications (S) } interm.microecon courses

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- \_\_\_\_\_  ECON 331 Macroeconomic Analysis and Applications (F or Summer) \*\*\*  
\_\_\_\_\_  AREC 339 Economic Statistics (F)  
\_\_\_\_\_  AREC 360 The Poverty and Development of Nations (S)  
\_\_\_\_\_  AREC 403 Marketing and Price Analysis (S) (AREC 339, Calc. & Interm. MicroEcon. req.)  
\_\_\_\_\_  AREC 464 Economics of Policy Analysis (F) (Calc. req. & Interm. MicroEcon. or AREC 315)  
\_\_\_\_\_  AREC 479 Economics of Water Management and Policy (S) (Calc. & Interm. MicroEcon. req.)  
\_\_\_\_\_  Concentration Course -Environmental Economics RNR 484 OR PA 485 OR ECON 373\*(Summer only)

\* Students must email: econreg@eller.arizona.edu if issues with enrolling in ECON courses.

\*\*Econ 300 or 361 can substitute for this requirement. (summer/winter only)

\*\*\* Econ 330 or 332 can substitute for this requirement. (summer/winter only)

## V. Focus Area Courses (21 units required)

Substitutions are permissible with advisor approval. Focus Area courses can be from categories of quantitative methods, environmental management, environmental law & policy, communication and environmental science. See a variety of course options on the next page.

Focus Area courses completed or are in progress (7 courses/21 units)

1. \_\_\_\_\_ 4. \_\_\_\_\_  
2. \_\_\_\_\_ 5. \_\_\_\_\_  
3. \_\_\_\_\_ 6. \_\_\_\_\_  
7. \_\_\_\_\_

## VI. General Electives

Taking an internship for credit (AREC 393/493) is encouraged especially if units are needed to reach 120 total units

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## Graduation Requirements

- 42 units upper division courses (at least 21 units AREC courses)
- 120 total units
- Mid-Career Writing Assessment (MCWA) (B or higher grade in a specific writing course)
- Minimum 2.0 GPA in major & minor courses
- Minimum 2.0 cumulative GPA (including all UA coursework)



**Year 1**

PCC

Fall Semester 1st semstr.	Units	Spring Semester 2nd semstr.	Units
MAT151 College Algebra	3	MAT212 Basic Calculus	4
WRT101/107 1st smstr writing	3	WRT102/108 2nd smstr writing	3
CIS120 computing applications	3	ECN201 Intro Microeconomics	3
AGEC General Education	3	AGEC General Education	3
1st smstr 2nd language	4	2nd smstr 2nd language	4
<b>total</b>	<b>16</b>	<b>total</b>	<b>17</b>

**Year 2**

PCC

Fall Semester 3rd semstr.	Units	Spring Semester 4th semstr.	Units
ECN202 Intro Macroeconomics	3	MAT167 Intro Stats (BUS205-ABUS)	3
AGEC General Education	3	AGEC General Education	3
AGEC General Education	3	AGEC General Education	3
ACC 211 Intro Financial Acctg.	3	AGEC General Education	3
AGEC General Education	3	Comm skills area course	3
<b>total</b>	<b>15</b>	<b>total</b>	<b>15</b>

total of 63 above PCC units

**Year 3**

UA

Fall Semester 5th semstr.	Units	Spring Semester 6th semstr.	Units
AREC304 Fall only	3	Comm skills area course	3
AREC339 Fall only	3	AREC360 Spring only	3
Focus Area-UD	3	Focus Area- Upper Division (UD)	3
Focus Area	3	Focus Area- UD	3
AREC397 Fall only	1	Focus Area- UD	3
<b>total</b>	<b>13</b>	AREC 297	1
		<b>total</b>	<b>16</b>

**Year 4**

UA

Fall Semester 7th semstr.	Units	Spring Semester 8th semstr.	Units
AREC464 Fall only	3	AREC403 Spring only	3
Focus Area-UD	3	AREC479 Spring only	3
Focus Area-UD	3	ECON331 Spring only	3
Concentration course-UD	3	Elective	3
Elective	3	Elective	1
<b>total</b>	<b>15</b>	<b>total</b>	<b>13</b>

