



THE UNIVERSITY OF ARIZONA
COLLEGE OF AGRICULTURE & LIFE SCIENCES

Agricultural & Resource Economics

Undergraduate Student Handbook

**Bachelor of Science in Agribusiness Economics & Management,
Bachelor of Science in Environmental & Water Resource Economics
Minors offered in Agribusiness Economics & Management, and
Environmental & Water Resource Economics**

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In this handbook are details regarding the rules and procedures relevant to the undergraduate programs in the Department of Agricultural & Resource Economics (AREC), in the College of Agriculture & Life Sciences (CALs) at the University of Arizona (UArizona).

Please review these essential UArizona websites for the most current information. It is each student's responsibility to be aware of policies outlined in the sites linked below and within this Handbook:

- (A) [Department site](#)
- (B) [UArizona Catalog Policies & Procedures](#)
- (C) [UArizona Admissions](#)
- (D) [College of Agriculture & Life Sciences](#)
- (E) Code of [Academic Integrity](#) policy from UArizona Dean of Students
- (F) The above linked websites contain the formal statements of University and Department minimum requirements for all degrees. Students are expected to follow the policies and procedures for both the UArizona, CALs and AREC. Policies are updated frequently, and it is the student's responsibility to comply with current policies.

The Department of Agricultural & Resource Economics is a UArizona Main Campus, in-person, degree program that offers two Bachelor of Science degrees, one in Agribusiness Economics & Management, and another in Environmental & Water Resource Economics, as well as two minors also named Agribusiness Economics & Management, and Environmental & Water Resource Economics. This handbook is intended to help students navigate institutional, college and departmental policies and procedures and includes navigation steps to locate people who will be able to help you as you move through your undergraduate career with UArizona.

UAccess Student Center is the student portal that houses among other important items, course enrollment access, <https://uaccess.arizona.edu/>, Bursar account access, term Shopping Cart, Enrollment processes of swapping and dropping, and the Class Search which provides a complete list of course offerings and course descriptions of courses that carry undergraduate and graduate credit. Courses numbered 100-499 are undergraduate courses and those numbered 500 and above are for graduate program students.

To view AREC course subject titles, course descriptions and syllabi, see our site at <https://economics.arizona.edu/graduate/course-offerings>.

To view how-to navigation guides for UAccess Student Center visit

<https://it.arizona.edu/documentation/student-center-how-tos>.

AREC faculty & staff profiles with contact and location information may be accessed at

<https://economics.arizona.edu/directory/faculty-staff>

AREC D2L portal, in addition to information provided in this Handbook, it will have many if not all campus resources provided in one place for accessing. Including but not limited to Campus Pantry, mental health related resources, career related resources and more. Students are added to the D2L portal as they are admitted to UArizona and the major or when they declare the major or minor post-admission.

Contents

1. PROGRAM HISTORY	5
2. ADMISSIONS.....	5
2.1. ADMISSION REQUIREMENTS	5
3. SCHOLARSHIPS.....	6
4. CURRICULUM.....	6
4.1. LEARNING OUTCOMES	7
4.2. ACCELERATED MASTER’S PROGRAM (AMP).....	7
4.3. SCHEDULE OF COURSE OFFERINGS	9
5. SATISFACTORY ACADEMIC PROGRESS.....	9
5.1. NOT MEETING SATISFACTORY PROGRESS	10
6. CONCERNS, GRIEVANCES, GRADE APPEALS, GRADE POLICIES, DISCRIMINATION, STUDENT GOVERNANCE	10
7. CO-CONVENED COURSES.....	12
8. INDIVIDUAL STUDIES	12
9. COURSE LOAD.....	13
10. ACADEMIC ADVISING.....	13
10.1. STUDENT RESPONSIBILITIES & PROFESSIONAL CONDUCT	14
11. SEMESTER-TO-SEMESTER GUIDE.....	14

1. Program History

The University of Arizona's, College of Agriculture & Life Sciences' (CALs), Department of Agricultural and Resource Economics (AREC) is located at 650 N. Park Ave. #308, Tucson, Arizona, 85721. AREC was established over 75 years ago with only two faculty members. In the early days of the department, research and extension activities focused primarily on Arizona agriculture. Within the first two decades, however, the department began to increase its regional, national, and even international presence through a variety of research projects, including one in Brazil. By the early 1970s, the department had doubled in size and water issues had become a focal point of AREC research. Throughout the 1980s and early 1990s, the department continued to grow and focus on the research it had gained recognition for in earlier years. The advent of the 1990s and early 2000s brought about significant changes. Yet, today, despite declining resources, the Department of Agricultural and Resource Economics continues to be recognized for high quality faculty, policy-relevant research, and impressive undergraduate and graduate programs. The Department is home to 10 teaching and research faculty (2 of whom who hold extension/research appointments), 2 Extension Economic Impact Analysts, 1 administrative support staff member, 1 Academic Advisor and graduate program coordinator, and a team of business office staff.

Three emeritus faculty, one former faculty member, and one current faculty member have been selected as Fellows of the American Agricultural Economics Association (AAEA), a recognition of career accomplishments in agricultural and resource economics. Similarly, three faculty members have won career recognition through the Western AEA.

2. Admissions

2.1. Admission Requirements

Admission to UArizona overall is the minimum admission requirement for the majors in this department, and there are no pre-major nor advanced standing required to progress through the majors and minors offered in this department. See UArizona admissions website linked above for full admission related requirements and application submission deadlines. To declare a major in this department students are required to meet with the AREC academic advisor to review the requirements and to officially declare.

3. Scholarships

Admitted and continuing students may directly apply for scholarships for which they may be eligible within [Scholarship Universe \(SU\)](#). See the [CALs how to apply guide](#). There will be UArizona internal scholarships, AREC specific scholarships and external scholarships presented in SU. CALS & AREC scholarships require 1 application be submitted annually by April 1, other scholarships may be available and with different application deadlines. Students may also seek scholarships external to UArizona.

4. Curriculum

Two majors are offered in this department, both are Bachelor of Science degrees. Agribusiness Economics & Management (ABEM) has two emphasis options from which students must choose to pursue. The first emphasis option is Agribusiness Management (ABEM-MGMT) and within it students will take specific courses towards both the major and the required business administration minor. The alternate ABEM emphasis option is Agricultural Economics (ABEM-ECON), this emphasis does not require a minor, however, declaring one to pursue is highly recommended. Environmental & Water Resource Economics (EWRE) is another major and B.S. degree offered in this department and it does not have an emphasis to select. Instead, EWRE majors have the opportunity to select 21 units called Focus Area (FA) units, courses typically are three units of credit each, allowing for 7 FA courses so that they may design and customize their specialization within the major. A minor is not required for EWRE students, but it is highly recommended. View all UArizona minors offered [here](#). See the last pages of this handbook for the general 8 semester plan to degree completion for each of the majors in this department. Minors offered in the department are Agribusiness Economics & Management, and another in Environmental & Water Resource Economics. Students with a declared major in AREC are not eligible to declare a minor from AREC, as minor courses are duplicate courses from the major requirements. Internships are not required in the majors and minors offered in this department; however, they are highly recommended. Students may use the platforms existing for UArizona students to search, for example, [Handshake](#), the [CALs Career Center](#) portal, and the [Student Engagement & Career Development](#) portal.

4.1. *Learning Outcomes*

Undergraduate program learning outcomes within AREC:

- **Subject Matter Expertise:** Demonstrate proficiency in applying microeconomic and econometric approaches to well-defined economic problems.
- **Critical Thinking & Problem Solving:** Design and execute a research strategy to answer significant questions having real-world implications; employ independently quantitative reasoning to evaluate economic hypotheses and predictions.
- **Communication:** Communicate precisely in written, spoken, and graphical form to economist and non-economist audiences.
- **Leadership & Collaboration:** Collaborate effectively while demonstrating initiative and leadership as appropriate in workplace settings.

Individual Course Learning Outcomes will be listed within each course's syllabus and may expand upon these or list additional criteria. The learning outcomes are evaluated annually through a variety of methods, including but not limited to exam scores in core courses.

Regarding student learning, students are encouraged to seek learning support from CALS [Learning Lab](#), a free resource exclusive to CALS students, UArizona tutoring and writing center [ThinkTank](#) offers both free drop-in tutoring services as well as pay for service for 1-1 tutoring needs. In addition to tutoring, students are encouraged to utilize all course level provided support including attending instructor and teaching assistant (TA) office hours. A free resource to all students is UArizona's Disability Resource Center ([DRC](#)), they provide support in creating equitable access to education inside and outside the classroom and throughout the institution. Students will start with submitting an affiliation form from their site directly to learn of their eligibility and needs for accommodations.

4.2. *Accelerated Master's Program (AMP)*

The AREC AMP is open to active, current University of Arizona students enrolled in the AREC undergraduate programs of Agribusiness Economics and Management with the Agricultural Economics emphasis (ABEM-ECON) and Agribusiness Management (ABEM-MGMT), and the Environmental and Water Resource Economics (EWRE). Students with the ABEM or EWRE

major are eligible for either of our graduate program plans of Applied Econometrics and Data Analytics (AEDA) or Applied Economics and Policy Analysis (AEPA). Students interested in applying to AREC AMP must have at least 75 earned/completed units at the time of application submission and must have at least 90 earned/completed units prior to admission to AMP. Prior to admission a minimum 3.3 cumulative GPA is required, if the GPA falls below 3.3 prior to admission or 90 units are not completed, the student will not be admitted to the Graduate College as an AMP student nor allowed to begin the AREC AMP. The Graduate Record Exam (GRE) is required*; however, it may be submitted along with your AMP application, or it may be submitted no later than Feb. 1 in the year the student will complete their undergraduate degree. The quantitative GRE minimum score required for admitted students into this program is the 70th percentile. *Note, effective Fall 2023, GRE scores are an optional part of admission to AMP and AREC MS full degree program.

During a student's 3rd year, they should prepare to apply to this program for the next soonest Fall semester, February 1st is the annual deadline for the application submission. This department's incoming AMP cohort begins in Fall semesters only. It is during their 4th year/senior year that the admitted AMP student will take graduate level AREC courses that will count toward their undergraduate and graduate degrees. Up to 12 total graduate level units are permitted to be shared between both degrees, 6 graduate units in the Fall semester and 6 graduate units in the Spring semester. While an undergraduate student, taking the 12 permitted graduate level units in courses numbered 500-599, tuition will be charged at the undergraduate tuition amount.

After the bachelor's degree has been completed and the student is taking only graduate AREC MS degree courses, tuition will then be charged at the graduate tuition amount. Should the undergraduate degree not be completed at the completion of the 12 graduate AMP units, the student's tuition will begin charging at the graduate level tuition cost and the student will no longer be eligible for undergraduate aid or scholarships nor graduate assistantships. AMP students while an undergraduate student, are not eligible for graduate assistantships, only once they have successfully and completely transitioned to a fully graduate level student status and no longer AMP, will they be eligible for available graduate assistantships/scholarships. With successful completion of one year of AMP coursework along with undergraduate coursework completed in the student's final undergraduate academic year, students will have one year remaining in the full graduate degree program to complete the MS degree, this is the standard

time to degree completion for those that complete AMP prior to starting the full AREC MS program.

4.3. Schedule of Course Offerings

See our undergraduate course offerings, term offered, description and syllabi from our site directly [here](#). Core courses are offered in Fall or Spring only, with some options for summer enrollment. Consult UAccess Class Search for the most up-to-date offerings.

5. Satisfactory Academic Progress

Above satisfying all general education, foundation and major/minor courses required, students are expected to:

- Maintain a 2.0 minimum GPA on a 4.0 scale each semester, including the cumulative, major, and minor GPAs. To complete a UArizona degree, the minimum GPA required is 2.0 across all GPAs.
- Complete 120 total units with 42 upper division units included, as a general degree requirement.
- Students must earn a grade of B or better in 2nd semester proficiency 2nd language courses to satisfy this B.S. degree requirement. Or, complete one of the test credit options available, consult with the AREC academic advisor for additional information.
- Students must earn a grade of B or better in college algebra so that they may continue into MATH113/116 Elements of Calculus. Or, complete a UArizona math placement assessment test, to test past college algebra and test into MATH113/116 level and begin with this course to satisfy the calculus major requirement.
- Students must earn a grade of B or better in an eligible course for the degree requirement of mid-career writing assessment (MCWA). ENGL102/109H/108 is the first opportunity to satisfy MCWA, if not completed there, see the major checklist for the other MCWA eligible courses.
- Submit CALS senior exit survey in final semester prior to completing degree audit worksheet/degree check with the AREC major advisor. URL provided by advisor.

5.1. Not Meeting Satisfactory Progress

What happens when students are deemed to be not making satisfactory progress?

Review UArizona's Academic Eligibility policy and requirements to maintain eligibility [here](#) and Registrar's information and frequently asked questions [here](#). Students must be academically eligible to continue enrollment each semester/term to maintain admitted status.

6. Concerns, Grievances, Grade Appeals, Grade Policies, Discrimination, Student Governance

Students are invited to connect with the AREC academic advisor to discuss any concerns, grievances, grade appeals, general petitions, late change petitions, etc. Students may send an email to the academic advisor for communications or schedule an appointment in the appointment scheduling system. Note, if reporting any concern of discrimination or discriminatory harassment as related to a student, the academic advisor is a mandated reporter and is required to report this information to the UArizona Equity and Title IX office. The Academic Advisor is also a Campus Security Authority and is required to report, anonymously, statistics involving any concerns that occur on campus related to criminal complaints and reports, emergencies, and crises as part of the [Clery Act](#). Faculty members are also required to report any concern of discrimination or discriminatory harassment as related to a student.

A student who believes that they have experienced discrimination or sexual harassment should contact the [Office of Institutional Equity](#). See specific policy information regarding discrimination and sexual harassment at <https://grad.arizona.edu/new-and-current-students>, see policies, academic policies for details. You may also consult with the AREC academic advisor.

Regarding Grade Appeals, see the Catalog policy and steps to take [here](#). If a student feels they have been awarded a grade incorrectly, the first step is to contact the course instructor to discuss the matter. If the student is unable to resolve things directly, they should consider submitting a grade appeal using the steps outlined in the above linked site.

In consultation with your AREC academic advisor, students may utilize specific policies to help progress through degree requirements to obtain the degree. Common policies to be familiar with are Grade Replacement Opportunity ([GRO](#)), [Change of Schedule and Late Change Petition](#) e-request forms and the [drop/withdrawal deadlines](#), [Incomplete “I” Grading](#) policy, [Withdrawal “W” grading](#) policy, and [Second Start](#) policy for those seeking readmission after three years have elapsed since one’s previous enrolled term.

To withdraw from all enrolled courses in the same semester, students may seek a complete withdrawal after the end of the 2nd week of the semester, this action is performed by the student in UAccess Student Center, read more information [here](#). For withdrawing options after the semester has ended, students may consider submitting a General Petition for Retroactive Withdrawal, which ultimately is reviewed for a decision, there is no guarantee of an approval decision. Students must consult with their major academic to discuss the variety of options available. There are three General Petition options, 1) Extenuating Circumstances-medical General Petition for Retroactive Withdrawal, 2) General Petition for Extenuating Circumstances - Sexual Harassment or Discrimination (Title IX), and 3) General Petition. Read more about the policies, the different petitions and where to begin them, from the Registrar’s site [here](#). With the help from your major academic advisor and CALS general advising team and CALS advising director, students will receive support when considering and submitting general petitions; start with your major advisor to review your options.

Students may request an Incomplete “I” grade when a majority of the coursework has been completed, during the semester/term, when issues arise preventing the student from finishing the course, the policy may be found [here](#). Students should discuss this option with the course instructor directly and as soon as the need arises. Once approved and the I has been entered in UAccess, unless the student and instructor have agreed to an earlier due date for remaining assignments, students have 1 year from the end of the Incomplete course’s term/semester, to complete the remaining assignments prior to UAccess automatically awarding an E grade if the I grade is not replaced with a real grade by the instructor. Confirm the with the Registrar’s [Dates & Deadlines](#) site for the last day of classes, specifically the last date of final exams period, to know the end of semester date for this specific policy.

Regarding student governance, this Department invites students to join the AREC Diversity, Equity, and Inclusion committee to participate in the organization and planning of speakers, events, topics for departmental sharing and learning, and workshops surrounding DEI initiatives. Currently this is the only Department provided space for AREC undergraduate and graduate students to have a formal place to participate and be involved in planning within the program. Those interested may contact the AREC academic advisor for more information on the DEI monthly meetings during the academic year.

7. Co-convened Courses

Some AREC undergraduate courses are held in conjunction with graduate level courses, numbered 400/500, these courses are called co-convened courses. Students may enroll in the 400-level course using Student Center, or Honors Juniors/Seniors and Seniors with a 3.0 GPA may enroll in the 500-level course number. Eligible undergraduates seeking enrollment in a graduate level co-convened course, 500-level course, must meet with the AREC academic advisor to review the options and to complete the 500-level permission enrollment form. Undergraduate students enrolling in the graduate level co-convened course must complete additional assignment(s), of which are outlined in the course syllabus. Undergraduates taking 500-level courses will have the course applied to their undergraduate degree only, unless otherwise specified on the enrollment permission form. Only AMP students may have the 500-level courses satisfy both degree requirements.

8. Individual Studies

Undergraduate students can register for various kinds of individual study and research/honors thesis credits.

- AREC 193/293/393/493, academic credit for obtained Internship [1 to 8 units]
- AREC 299/H, 399/H, 499/H, Regular & Honors Independent Study [1 to 6 units]
- AREC 391, Preceptorship, [1-3 units]
- AREC 494r, Research independent study, [3 units]
- AREC 498H, Honors Thesis course for active Honors College students [3 units, repeatable for 6 total units]

9. Course Load

During Fall and Spring semesters students may enroll in full or part-time coursework, enrollment definitions are outline in [UArizona Catalog](#). For information regarding enrolling, priority registration and accessing Student Center, review the resources provided by [Registrar](#). Students are permitted to enroll in up to 19 semester units in Fall and Spring terms, unit maxima permission is required to exceed that amount. During winter session students are permitted to enroll in one course or four units, and in summer sessions students may enroll in up to one course or four units in pre-session, and up to eight units in session one and eight units in session two. To enroll in units above the permitted amount in any term, students must submit unit maxima increase request through their AREC major academic advisor to begin the review and approval process. Generally, having a 3.0 cumulative GPA is required at a minimum, to request unit maxima increase for any term, special cases may be considered for those without the minimum GPA requirement. Consult with your AREC academic advisor.

10. Academic Advising

Successful undergraduate study relies on effective relationships between the student and the academic advisors. Upon arrival in the program, new students will meet with the academic advisor during new student orientation. Students are expected to meet with their major academic advisor at least twice each semester, more frequently is welcomed and encouraged. The formal advising relationship is agreed to by mutual consent through discussion between the student and the academic advisor. Students must use the scheduling system in place to self-select appointments, should nothing be available or none that match the student's schedule, they may email the academic advisor directly to request an appointment time outside of the published availability. Students may email the AREC academic advisor directly with inquiries and updates, however, direct connections during appointments and drop-ins are highly recommended and expected. Email communication does not replace the need nor the benefits of 1-1 meetings between students and their academic advisors.

D2L is the UArizona learning platform in place at this time and is the main portal in which ABEM & EWRE students will receive announcements, updates, reminders, and student opportunities. Students are expected to pin the portal to their D2L homepage, review the portal

weekly and set up their D2L notifications to their preferred delivery method and frequency. The AREC undergraduate listserv is another method of receiving information, however, it is used much less frequently than the ABEM & EWRE D2L portal. CALS and UArizona will send listserv emails to CatMail inboxes, students should check this inbox regularly to stay informed of announcements shared by CALS to all students. From UAccess Student Center select the Advising heading, then select View Advisors to review the up-to-date contact information and scheduling system link to book appointments with your academic advisor(s).

10.1. Student Responsibilities & Professional conduct

Above meeting satisfactory academic progress, students are expected to conduct themselves professionally and respectfully while in the program, while attending any department/college/campus sponsored events, and always while representing UArizona. See the UArizona Dean of Students, [code of academic integrity](#) and also [student rights & responsibilities](#) to review specifically code of conduct and the Title IX policies, reporting & resources information,

11. Semester-To-Semester Guide

Students should be familiar with UAccess Student Center and the “Advising” heading to know how to locate their academic advisor(s) contact information as well as how to view and understand their advisement report from that area of Student Center. The Advisement Report (ADVIP) is how departments express degree requirements to their declared major and minor students. The tables below illustrate the general semester-by-semester plan for ABEM-MGMT, ABEM-ECON and EWRE full-time enrolled students. Students are not bound to this route, however, it is an efficient pathway to degree completion for those seeking full-time enrollment. These tables are subject to change considering changes in policies and requirements and suggested offering patterns. Semester planning for those transferring with transfer credit will have a unique and custom semester by semester plan, one that cannot be provided as a template given the variety of combinations of completed transfer coursework prior to joining this department. AREC course subject courses are offered in Fall or Spring semesters as listed; they are not offered every semester, limited offerings in summer and there are no winter offerings.

2023+ ABEM-MGMT General 4-year plan

**Agribusiness Economics & Management major
 with Agribusiness Management emphasis
 (ABEM-MGMT) and required BNAD minor**

Fall, Semester 1	
MATH 112, College Algebra	3
ENGL 1 st semester composition	3
1 st semester 2 nd language	4
AREC 197c, Marginal Anlys for Economists	1
GE Core: EP or BC	3
GE Core: EP or BC	3
Total semester units:	17

Spring, Semester 2	
ENGL 2 nd semester composition	3
2 nd semester 2 nd language	4
AREC217, EP Soc. Sci, ABEM reqmt	3
MIS 111, Spring only, req'd	3
GE Core: EP or BC	3
UNIV 101	1
Total semester units:	17

Fall, Semester 3	
MATH 113/116, calculus, req'd	3
ECON 200, req'd	3
GE Core: EP or BC	3
GE Core: EP or BC	3
GE Core: EP or BC	3
Total semester units:	15

Spring, Semester 4	
AREC 239, Sp only, Intro Statistics & Data Analysis	4
AREC 297, Spring only, req'd	1
ACCT 200, Spring only, req'd	3
UNIV 301, reqmt	1
Communication skills course 1	3
elective towards 120 total units	3
Total semester units:	15

Fall, Semester 5	
AREC 304, req'd, Fall only	3
AREC 315, req'd, Fall only	3
AREC 339, req'd, Fall only	3
ACCT 210, req'd, Fall only	3
Elective, Upper division (UD)	3
Elective, to reach 120 total units, consider SBS311/411, AED295, ALC196a	1
Total semester units:	16

Spring, Semester 6	
AREC 360, req'd, Spring only	3
Communication skills course 2	3
BNAD minor, 301/302/303	3
BNAD minor, 301/302/303	3
Elective, UD	3
Total semester units:	15

Fall, Semester 7	
AREC 313, req'd, Fall only	3
AREC 464, req'd, Fall only	3
BNAD minor, 301/302/303	3
Elective, to reach 120 total units	3
Elective, to reach 120 total units	1
Total semester units:	13

Spring, Semester 8	
AREC 403, req'd, Spring only	3
AREC 450, req'd, Spring only	3
Elective, (UD)	3
Elective, to reach 120 total units	3
Total semester units:	12

2023+ ABEM-ECON General 4-year plan

**Agribusiness Economics & Management major
 with Agricultural Economics emphasis**

Fall, Semester 1	
MATH 112, College Algebra	3
ENGL 1 st semester composition	3
1 st semester 2 nd language	4
AREC 197c, Marginal Anlys for Economists	1
GE Core: EP or BC	3
GE Core: EP or BC	3
Total semester units:	17

Spring, Semester 2	
ENGL 2nd semester composition	3
2 nd semester 2 nd language	4
AREC217, EP Soc. Sci, ABEM reqmt	3
MIS 111-Sp only or BE 120	3
GE Core: EP or BC	3
UNIV 101	1
Total semester units:	17

Fall, Semester 3	
MATH 113/116, calculus	3
ECON 200	3
GE Core: EP or BC	3
GE Core: EP or BC	3
GE Core: EP or BC	3
Total semester units:	15

Spring, Semester 4	
AREC 239, Sp only, Intro Statistics & Data Analysis	4
AREC 297, Spring only	1
ACCT 200, Spring only	3
UNIV 301, reqmt	1
Communication skills course 1	3
minor or elective, towards 120 total units	3
Total semester units:	15

Fall, Semester 5	
AREC 304, required, Fall only	3
AREC 315, required, Fall only	3
AREC 339, required, Fall only	3
ACCT 210, required, Fall only	3
Elective, Upper division (UD)	3
Elective, to reach 120 total units, consider SBS311/411, AED295, ALC196a	1
Total semester units:	16

Spring, Semester 6	
Concentration course: AREC 360 or 450, Spring only	3
Communication skills course 2	3
UD minor course or UD elective	3
UD minor course or UD elective	3
UD minor course or UD elective	3
Total semester units:	15

Fall, Semester 7	
concentration course: AREC 313 or 365, Fall only	3
AREC 464, required, Fall only	3
UD minor course or UD elective	3
Elective, to reach 120 total units	3
Elective, to reach 120 total units	1
Total semester units:	13

Spring, Semester 8	
AREC 403, required, Spring only	3
AREC 479, required, Spring only	3
UD minor course or UD elective	3
Elective, to reach 120 total units	3
Total semester units:	12

2023+ EWRE General 4-year plan



Bachelor of Science in Environmental & Water Resource Economics

Fall, Semester 1	
MATH 112, College Algebra	3
ENGL 1 st semester composition	3
1 st semester 2 nd language	4
AREC 197c, Marginal Analysis for Economists	1
GE Core: EP or BC	3
GE Core: EP or BC	3
Total semester units:	17

Spring, Semester 2	
ENGL 2nd semester composition	3
2 nd semester 2 nd language	4
AREC217, EP Soc. Sci, EWRE req'd	3
MIS 111-(Sp only) or BE 120	3
GE Core: EP or BC	3
UNIV 101, req'd	1
Total semester units:	17

Fall, Semester 3	
MATH 113/116, calculus, req'd	3
ECON 200, req'd	3
GE Core: EP or BC	3
GE Core: EP or BC	3
GE Core: EP or BC	3
Total semester units:	15

Spring, Semester 4	
AREC 239, Sp only, Intro Statistics & Data Analysis, req'd	4
AREC 297, req'd, Spring only	1
Focus Area course 1 of 7	3
Communication skills course 1	3
UNIV 301, req'd	1
Minor or Elective, to reach 120 total units	2
Total semester units:	14

Fall, Semester 5	
AREC 304, req'd, Fall only	3
AREC 339, req'd, Fall only	3
Environmental Econ course, UD	3
Focus Area course 2 of 7	3
Upper Division (UD) minor course or UD elective	3
Total semester units:	15

Spring, Semester 6	
AREC 360, req'd, Spring only	3
Communication skills course 2	3
Focus Area course 3 of 7, UD	3
Focus Area course 4 of 7, UD	3
UD minor course or UD elective	3
Total semester units:	15

Fall, Semester 7	
AREC 464, req'd, Fall only	3
Focus Area course 5 of 7, UD	3
Focus Area course 6 of 7, UD	3
UD minor course or UD elective	3
Minor or Elective, to reach 120 total units	3
Total semester units:	15

Spring, Semester 8	
AREC 403, req'd, Spring only	3
AREC 479, req'd, Spring only	3
Minor or Elective, to reach 120 total units	3
Focus Area course 7 of 7	3
Total semester units:	12