



Agricultural Technology Management & Education (AGTE) Checklist Catalog Year: 2019-2020

GENERAL EDUCATION REQUIREMENTS (49 units)	
English Composition ENGL 101 _____ and ENGL 102 _____ Mathematics Math 112 _____ Second Language (2 nd semester proficiency) _____ _____ Sciences (Lecture & Lab) CHEM 151 _____ MCB 181R _____ and MCB 181L _____ ECOL 182R _____ and ECOL 182L _____	TIER ONE (Select 2 courses from each) <u>Individuals & Societies (150A, 150B, 150C)</u> _____ 150 _____ 150 <u>Traditions and Cultures (160A, 160B, 160C, 160D)</u> _____ 160 _____ 160 TIER TWO (Select one course from each) _____ Arts _____ Humanities _____ Individuals & Societies _____ Diversity Emphasis (<i>can be met by 160A</i>)

AGTE CORE REQUIREMENTS (32 units)	
_____ AED 195A <i>Introduction to Agricultural Education</i> _____ AGTM 100 <i>Princ. & Pract. of Ag Mechanics</i> _____ AGTM 350 <i>Applications in Ag Mechanics</i> _____ AED 301 <i>Youth Leadership Development</i> _____ AED 437 <i>Methods of Facilitating Learning</i> _____ ALC 422 <i>Comm. Knowledge in Ag & Life Sciences</i>	_____ AGTM 330 or AGTM 351 or AGTM 200 <i>Agricultural Mechanics II</i> _____ ECON 200 <i>Basic Economic Issues</i> _____ ACCT 200 <i>Intro to Financial Accounting</i> _____ ENVS 200 & 201 <i>Intro to Soil Science & Laboratory</i> _____ ENTO

Choose one of the emphasis areas below

AG TECH MGMT (AGT) EMPHASIS (32 units)	LEADERSHIP & COMM (LCE) EMPHASIS (31 units)
_____ ACBS 312 <i>Animal & Plant Genetics</i> _____ ENVS 316 <i>Soil Fertility and Plant Nutrition</i> _____ ENGL 307 or ENGL 308 <i>Technical/Business Writing</i> _____ SBS 200 <i>Intro to Stats for the Social Sciences</i> _____ PLS 235 or PLS 217 <i>Advanced Plant Science</i> _____ AGTM 493 <i>Internship</i> Focus Area courses (Choose 4) <i>Choose 4 courses (12 units) in a focus area of Horticulture, Field Crop Production, Controlled Environmental Agriculture, or Animal Agriculture.</i> _____ _____ _____ _____	_____ ALC 309 <i>Leadership Principles and Practices</i> _____ ALC 409 <i>Team and Organizational Leadership</i> _____ ALC 410 <i>Entrepreneurial Leadership in Agriculture & the Life Sciences</i> _____ ALC 411 <i>Principles & Applications of Organizational Innovation</i> _____ ENGL 307 or ENGL 308 <i>Technical/Business Writing</i> _____ ALC 493 <i>Internship</i> Plant Science (2 courses) _____ and _____ Animal Science (2 courses) _____ and _____

TEACHING (ATMED) EMPHASIS (46 units)	
_____ AED 450 <i>Total Program Development</i> _____ AED 462 <i>Curriculum Development</i> _____ AED 493A <i>Internship- Pre-Student Teaching</i> _____ LCEV 408 <i>Structured English Immersion</i> _____ AED 438 <i>Teaching of Secondary School Ag Science</i> _____ AED 498A <i>Introduction to Teaching</i> _____ AED 496D <i>Teaching Science & Math Through Inquiry</i> _____ POL 210 <i>U.S. and AZ Constitution</i>	_____ AED 405A <i>Principles of CTE</i> _____ AED 493B <i>Internship- Student Teaching</i> _____ AED 498B <i>Senior Capstone- Student Teaching</i> _____ AED 497F <i>Structured English Immersion Teaching Methodology</i> Plant Science (2 courses) _____ and _____ Animal Science (2 courses) _____ and _____

120 units (42 upper division) are required for degree completion with a 2.0 GPA minimum.
 Please contact Breanna Watkins, AETI academic advisor, at brej12@email.arizona.edu for assistance.

Semester Course Planning

Fall 20__	Spring 20__																				
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AGRICULTURAL EDUCATION TECHNOLOGY AND INNOVATION MAJOR SECONDARY TEACHER CERTIFICATION (ATMED) OPTION	
Freshman Year	
Fall Semester	Spring Semester
ENGL 101 MATH 112 – College Algebra Tier I Traditions and Cultures Tier I Individuals and Societies AGTM 100 – Intro to Ag Mechanics AED 195A – Intro to AgEd	ENGL 102 CHEM 151 – General Chemistry Tier I Traditions and Cultures Tier I Individuals and Societies ACCT 200 – General Accounting
Sophomore Year	
Fall Semester	Spring Semester
Spanish 101 Tier II Art Tier II Humanities MCB 181 R&L AGTM 350 – Agricultural Mechanics POL 210 – Government and Constitution	Spanish 102 Tier II Individuals and Humanities ECOL 182 R&L AGTM 330 - Turf and Landscape or AGTM 351 - Power and Machinery ECON 200 – Basic Economics
Junior Year	
Fall Semester	Spring Semester
ENVS 200 – Introduction to Soils Lecture ENVS 201 – Soils Laboratory AED 301 – Youth Leadership Development PLS 217 – Green house Production ACBS 102R – Introduction to Animal Industry	ENTO 407 – Insect Discovery ACBS 220 – Dairy Science or ACBS 477 – Beef Resource Management PLS 312 – Genetics AED 462 – Curriculum Development AED 450 – Program Development AED 493A – Pre-Service Internship
Senior Year	
Fall Semester	Spring Semester
AED 438 – Teaching Methods AED 496D – CASE Course ALC 422 – Communicating Agriculture LCEV 408 – Structured English Immersion AED 498A – Introduction to Teaching	AED 405A – CTE Philosophy Course AED 498B – Senior Capstone AED 493B – Student Teaching Internship AED 497F – Structured English Immersion Practicum

AGRICULTURAL EDUCATION TECHNOLOGY AND INNOVATION MAJOR AGRICULTURAL TECHNOLOGY MANAGEMENT (AGT) OPTION	
Freshman Year	
Fall Semester	Spring Semester
ENGL 101 MATH 112 – College Algebra Tier I Traditions and Cultures Tier I Individuals and Societies AGTM 100 – Intro to Ag Mechanics AED 195A – Intro to AdEd	ENGL 102 CHEM 151 – General Chemistry Tier I Traditions and Cultures Tier I Individuals and Societies ACCT 200 – General Accounting
Sophomore Year	
Fall Semester	Spring Semester
Spanish 101 Tier II Art Tier II Humanities MCB 181 R&L AGTM 350 – Agricultural Mechanics	Spanish 102 Tier II Individuals and Humanities ECOL 182 R&L AGTM 330 -Turf and Landscape or AGTM 351 - Power and Machinery ECON 200 – Basic Economics
Junior Year	
Fall Semester	Spring Semester
ENVS 200 – Introduction to Soils Lecture ENVS 201 – Soils Lab PLS 312 – Plant/Animal Genetics PLP 306 – Plant Pathology ACBS 102R – Introduction to Animal Industry	ENTO 497C – Greenhouse Pest Management or ENTO 468 – Integrated Pest Management ACBS 220 Dairy Science or ACBS 477 Beef Resource Management SBS 200 - Statistics PLS 360 – Plant Growth and Physiology AGT Emphasis Area Course
Senior Year	
Fall Semester	Spring Semester
AED 437 – Methods of Facilitating Learning ALC 422 – Communicating Knowledge ENGL 307/308/340 or ENVS 408 -Technical Writing Course AGTM 493 Internship AGT Emphasis Area Course	ENVS 316 – Soil Fertility AGT Emphasis Area Course AGT Emphasis Area Course Advanced Plant/Animal Science

**AGRICULTURAL EDUCATION TECHNOLOGY AND INNOVATION MAJOR
LEADERSHIP, COMMUNICATION, AND EDUCATION (LCE) OPTION**

Freshman Year

Fall Semester	Spring Semester
ENGL 101 MATH 112 – College Algebra Tier I Traditions and Cultures Tier I Individuals and Societies AGTM 100 – Intro to Ag Mechanics AED 195A – Intro to AgEd	ENGL 102 CHEM 151 – General Chemistry Tier I Traditions and Cultures Tier I Individuals and Societies ECON 200 – Basic Economics

Sophomore Year

Fall Semester	Spring Semester
Spanish 101 Tier II Art Tier II Humanities MCB 181 R&L AGTM 350 – Agricultural Mechanics	Spanish 102 Tier II Individuals and Humanities ECOL 182 R&L AGTM 330 Turf and Landscape or AGTM 351 Power and Machinery ACCT 200 – General Accounting

Junior Year

Fall Semester	Spring Semester
ENVS 200 – Introduction to Soils Lecture ENVS 201 – Soils Laboratory AED 301 – Youth Leadership Development Advanced Plant Science ANS 102R – Introduction to Animal Industry	ACBS 220 Dairy Science or ACBS 477 Beef Resources Management ALC 409 – Team and Organizational Leadership ALC 309 – Principles and Practices of Personal Leadership Advanced Plant/Animal Science Plant or Animal Science

Senior Year

Fall Semester	Spring Semester
ALC 422 – Communicating Knowledge SBS 200 – Statistics ENGL 307/308/340 – Technical Writing AGTM 493 Internship ALC 411 – Organizational Innovation	AED 295B – Heritage and Traditions ALC 410 – Entrepreneurial Leadership Advanced Plant/Animal Science ENTO 407 – Insect Discovery AED 437 – Methods of Facilitating Learning