

Preparation Programs (ASEP) and accreditation status.

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Application for New Certification Field from an Accredited Educator Preparation Program

Program Type: University Initial: UI University Post-Bac: PB Alternate Certification Program: ACP

Program Type: √UI **Entity Name: Angelo State University** Certificate Field Desired: Agriculture Science & Technology Grade Level: 6-12 Contact Person: Dr. John Miazga Mailing Address: ASU Station #10914 City: San Angelo **Zip:** 76909 State: TX Phone: 325-942-2212 **Fax:** 325-942-2039 Email: john.miazga@angelo.edu Website: www.angelo.edu Submission Date: 05/26/2010 **Current TEA Accreditation Rating: Accredited** √ No **Instructor Vitas Attached?** Yes (New position-job posting attached) **Description of Field Supervision and Mentoring Attached?** √ Yes No Applicable Rules: Refer to the Texas Administrative Code (TAC) Chapters 227 and 228 for the rules regarding Educator Preparation Candidates and Educator Preparation Programs. Refer to the Texas Administrative Code (TAC) Chapter 229 and Senate Bill 174 for the rules regarding the Accountability System for Educator

- I. COMPLETE MATRICES
- II. ATTACH ONE INSTRUCTOR VITA FOR EACH COURSE/MODULE
- III. ATTACH BRIEF DESCRIPTION OF FIELD-BASED EXPERIENCE (TAC 228.35(1), CLASSROOM MENTORING (TAC 28.35 (E), AND FIELD SUPERVISION (TAC 228.35 (F)

PROCEDURE FOR SUBMITTING APPLICATION:

Please submit **ONE** electronic copy of the complete application to:

Dr. Janice Lopez, Director
Division of Educator Standards
Texas Education Agency
Educator Standards, 5-100E
1701 N. Congress Ave.
Austin, TX 78701
AND to

e-mail: Janice.Lopez@tea.state.tx.us

TAC §228.10(1): "An educator preparation program that is rated "accredited"...may request additional certification fields be approved by TEA staff by submitting the curriculum matrix; a description of how the standards for Texas educators are incorporated into the educator preparation program; and documentation showing that the program has the staff knowledge and expertise to support individuals participating in each certification field being requested. The curriculum matrix must include the standards, framework competencies, applicable Texas Essential Knowledge and Skills, course/and/or module names, and the benchmarks or assessments used to measure successful program progress."

Complete the curriculum matrix as follows for each certification field requested:

- Identify levels and areas of certification to be delivered, including **Certificate Name** and **Test Number(s)** required, and place this information on the appropriate lines at the top of the matrix.
- Course/Module Name: Provide the course name(s) offered by your program.
- **Standard #**: Describe how the curriculum is aligned with the certification standards. Refer to http://www.sbec.state.tx.us/SBECOnline/standtest/edstancertfieldlevl.asp.
- Framework Competency: Describe the relationship between curriculum, content and pedagogy.
- TEKS: Student TEKS for each content area, See: http://www.tea.state.tx.us/teks/.
- **Benchmarks/Assessments** Describe how each course/module will be assessed prior to certification testing. Include a brief identification of the assessment, content the assessment will cover, and how the assessment will be graded. **Examples:** 1) Twenty-item multiple choice quiz over plant life graded at 80% mastery; or 2) Lesson plan using cooperative learning for 5th grade math, graded on a six-point rubric, or 3) Science lab experiment graded by a checklist of safety procedures at 95% mastery.

Complete one matrix for each certification field requested.

Content Curriculum Matrix

Agriculture Science and Technology (6-12)

Certificate Name/Grade Level

172 Test #(s) Required

Course/Module Name	Standard #	Framework Competency	TEKS (if applicable)	Benchmarks /Assessments
AgScience 2300, Introduction to Agriculture Science AgScience 2303, Welding and Metal Work AgScience 3303, Mechanical Systems Management in Agriculture	Standard #: I: The agricultural science and technology teacher understands the foundations of agricultural education and applies procedures and practices to ensure the safety of all students in the classroom, laboratory, field, and supervised agricultural experience.	1.1K, 1.7K, 1.8K: Students will understand the basics of ag science and leadership as it pertains to production agriculture including how to conduct a classroom safely while teaching metal work and mechanical repair.		Candidates will be supervised in an interactive laboratory setting to ensure learning environment safely and appropriate interaction with high school students. End of project exams will be utilized to ensure mastery of the material and knowledge of how to maintain a safe learning environment. In addition to exams, Candidates will be observed while completing projects in each of the subjects.
AgScience 3313, Management of Supervised Agricultural Experience Programs AgScience 3331,	Standard #: II: The agricultural science and technology teacher knows how to advise and assist students in career	2.1K, 2.2K, 2.6K, 2.8K, 2.9K, 2.10K, 2.11K: Students will understand how to conduct youth leadership events. They will also know how to work with youth organizations and		Candidates will be administered end of course exams to determine basic mastery of material. In addition to normal class work and exams, candidates will be required to conduct activities related to FFA.

Agricultural Youth Leadership Organizations	planning and development, work with community and industry representatives to support the agricultural program, and promote student development through supervised agricultural experiences, leadership development, and student organizations.	how they should interact with community events and school related activities. They will also understand how to conduct a supervised student activity in agriculture.	They will also be required to work with local organizations and assist in conducting already established events with local agricultural education programs. Candidates will also be required to organize and conduct youth activities independent of already existing programs.
Agricultural Economics 1331: Introductory Agriculture Economics and Business	Standard #3: The agricultural science and technology teacher understands and applies principles of economics and business management in agricultural enterprises.	3.1K, 3.3K, 3.4K, 3.5K, 3.7K: Students will understand how economics and business management work in agricultural enterprises. They will understand markets and what influences market fluctuations. The will also understand differences in costs and how they relate to an agricultural enterprise.	Candidates will be administered exams at the conclusion of each section to determine mastery of the subject matter. In addition, Candidates will be required to develop a business management plan for an agricultural enterprise to determine if material covered in class and on exams translates to actual understanding of the economics of an agricultural enterprise.
Range and Wildlife Management 2321: Forage Crop Production Range and Wildlife Management 2322:	Standard #4: The agricultural science and technology teacher understands plant and soil science and applies	4.1K, 4.2K, 4.3K, 4.4K, 4.5K, 4.6K, 4.7K, 4.9K, 4.10K: Students will understand how rangeland plants and forage crops relate to soil properties and how they influence	End of section exams will be administered to determine mastery of material. Additionally, laboratory projects will be conducted to link classroom information to everyday practice. Candidates will also

AgScience 2302: Principles	Standard #6: The agricultural science and technology	6.1K, 6.2K, 6.3K, 6.5K, 6.6K: Students will have an understanding of basic	End of section exams will be administered to determine level of mastery of subject matter.
Animal Science 1341: Principles of Animal Science Animal Science 2241: Live Animal-Carcass Evaluation Animal Science 3332: Principles of Animal Nutrition Animal Sciene 3443: Genetics of Livestock Improvement Animal Science 4342: Sheep and Goat Science Animals Science 4343: Beef Cattle Science	Standard #5: The agricultural science and technology teacher understands animal science and applies principles and methods used in animal production and management.	5.1K, 5.2K, 5.4K, 5.6K, 5.7K, 5.8K, 5.9K, 5.11K, 5.14K, 5.15K: Students will have a basic understanding of animal science. They will know the various breeds of livestock and how they relate to animal production. They will also know how environmental conditions will impact production. Additionally, they will understand the basic nutritional requirements for each species of livestock as well as nutrient deficiencies and treatments. Students will have an understanding of management systems and how they impact livestock genetic improvement and production. Students will also be able to evaluate animals and how they relate to food quality.	End of section exams will be conducted to determine mastery of subject matter. Additionally, Candidates will be engaged in laboratory projects to determine appropriate management procedures to optimize animal production. They will also be required to present information on a livestock management plan and determine what factors have the greatest impact on efficiency of production. End of coarse laboratory exams will be used to determine the level of understanding the student has on evaluating live animals and how it relates to actual meat and meat quality.
Rangeland Soil Science Range and Wildlife Management 3331: Principles of Range Management	principles and methods used in plant production and management.	production. Students will also understand methodologies for improving and maintaining soil quality. Students will also understand the impact livestock production has on soil and plant properties.	assess plant and soil quality during laboratory projects.

of Effective Technology Use in Agricultural Science AgScience 2303: Welding and Metal Work AgScience 3303: Mechanical Systems Management in Agriculture	teacher understands and applies principles and methods of agricultural mechanics, construction, and related technologies.	agricultural building construction, design and planning. They will also have an understanding of machinery used in production agriculture. They will also be able to apply the latest technology to agricultural production.	Candidates will also be required to assist in the design and planning of agricultural buildings. They will also be required to operate basic machinery during laboratory exercises. Additionally, field case studies will be required so that the Candidates gain an understanding of evaluating a situation and determining the basic needs of an
			agricultural enterprise as it relates
AgScience 2302: Principles of Effective Technology Use in Agricultural Science. Animal Science 3443: Genetics of Livestock Improvement Range and Wildlife 2321: Forage Crop Production	Standard #7: The agricultural science and technology teacher has a basic understanding of biotechnology and genetic engineering and understands the use of computers and related technologies in agricultural production and management.	7.2K, 7.3K, 7.4K, 7.5K, 7.6K: Students will understand the role of genetics and genetic engineering in animal production. They will also have an understanding of the role biotechnology plays in livestock improvement.	End of section exams will be administered to determine subject matter mastery. Additionally, Candidates will be able to complete the basic calculations for determining genetic improvements and homework and exams will be used to assess the Candidates' ability to complete these problems. Candidates will also be required to assess the use of technology in different livestock operations via field studies and operation evaluations.
AgScience 4308: Agricultural Buildings and Environmental Control	Standard #8: The agricultural science and technology teacher understands	8.1K, 8.2K, 8.3K, 8.4K, 8.5K, 8.7K, 8.8K, 8.9K: Students will have an understanding of the role livestock production plays	End of section exams will be administered to determine subject matter mastery. Candidates will also be required to complete
Range and Wildlife Management 2321: Forage Crop Production	and applies knowledge of environmental systems, natural	in the agriculture industry. They will also understand how range management, wildlife management, and crop	building projects, assessment and review of existing agricultural structures. They will also be required to complete wildlife

Range and Wildlife	resource	production impacts sustainable	population surveys to determine
Management 3331:	management, and	livestock production. Students	management techniques on wildlife
Principles of Range	the effects of	will also understand how all	populations and habitat.
Management	agriculture on the	areas of agriculture interact	Additionally, Candidates will be
	environment.	and influence each other.	required to complete a project in
Range and Wildlife			range assessment as it relates to
Management 4333: Range			livestock production. Candidates
Wildlife Management			will complete a management plan
			that involves developing
Animal Science 4342:			management strategies for
Sheep and Goat Science			sustainable livestock production on
			native range-lands.
			-

Complete one matrix for the Pedagogy and Professional Responsibilities that includes the seventeen (17) requirements in TAC §228.30 Educator Preparation Curriculum.

For complete information about compliance with TEA/SBEC compliance see the College of Education Compliance Website.

Pedagogy and Professional Responsibilities Curriculum Matrix

EC-12 PPR Standard	Curriculum Topic TAC §228.30	Essential Components	Course/ Module Na and Description	1
I, III	Programs are encouraged to select from a variety of theories and methods appropriate for teaching these five essential components of reading instruction.	1.Text Structure (organization) 2.Vocabulary teaching strategies 3.Identifying the word (root, prefix, suffix) 4.Fluency (words per minute correct) basic teaching strategies 5.Comprehension (finding main idea, summarizing, supporting details, synthesizing/making connections, inferences, making generalizations	 RDG 4320 – Read in the Secondary School Content A ED 4973 – Studer Teaching 	reas
II, IV	2. Code of Ethics	Texas Educators' Code of Ethics TAC§ 247.2	• ED 4321 – Secon School Organizat:	· · · · ·

I, III	6. TEKS Organization,	http://ritter.tea. state.tx.us/teks/	•	ED 4322 – Teaching	See syllabus for details
I, II, III	5. Learning Theories	Programs will teach a variety of learning theories	•	EPSY 3303 – Child and Adolescent Development ED 4973 – Student Teaching	See syllabus for details TxBESS New Teacher Evaluation x 4
		variety of theories and methods appropriate for teaching motivation.		and Adolescent Development ED 4322 – Teaching Techniques in the Secondary School ED 4323 – Teaching Techniques in the Secondary School ED 4973 – Student Teaching	See syllabus for details See syllabus for details TxBESS New Teacher Evaluation x 4
I, II, III, I, III,	3. Child Development 4. Motivation	Programs will teach a variety of theories for child development. Programs will select from a	•	EPSY 3303 – Child and Adolescent Development ED 4973 – Student Teaching	See syllabus for details TxBESS New Teacher Evaluation x 4 See syllabus for details
				and Curriculum ED 4322 – Teaching Techniques in the Secondary School ED 4973 – Student Teaching	See syllabus for details TxBESS New Teacher Evaluation x 4

I, III	7. Content TEKS	http://ritter.tea. state.tx.us/teks/	•	Techniques in the Secondary School ED 4973 – Student Teaching ED 4322 – Teaching Techniques in the Secondary School	TxBESS New Teacher Evaluation x 4 See syllabus for details
			•	ED 4973 – Student Teaching	TxBESS New Teacher Evaluation x 4
I, II, IV	8. TAKS Responsibilities	http://www.tea.state.tx.us/ click on Testing/ Accountability, click on Texas Essential Knowledge and Skills for much more information.	•	ED 4321 – Secondary School Organization and Curriculum ED 4973 – Student Teaching	See syllabus for details TxBESS New Teacher Evaluation x 4
1, 11, 111	9. Curriculum Development and Lesson Planning	Programs will select from a variety of theories and methods appropriate for teaching curriculum development and lesson planning.	•	ED 4322 – Teaching Techniques in the Secondary School ED 4323 – Teaching Techniques in the Secondary School ED 4973 – Student Teaching	See syllabus for details See syllabus for details TxBESS New Teacher Evaluation x 4
I, III	10. Classroom Assessment and Diagnosing Learning Needs	Programs will select from a variety of theories and methods appropriate for teaching formative assessment to diagnose learning needs and other types of classroom assessment.	•	ED 4322 – Teaching Techniques in the Secondary School ED 4323 – Teaching Techniques in the Secondary School ED 4973 – Student	See syllabus for details See syllabus for details TxBESS New Teacher Evaluation x 4

I. I. Classroom Management					Teaching	
ELPS—English Language Proficiencies http://ritter.tea.state.tx.us/ curriculum/biling/elps.ht ml See syllabus for details Teaching Techniques in the Secondary School Organization and Curriculum ELPS I. learning strategies 2. listening 3. speaking 4. reading 5. writing B. G/T 1. Learner characteristics and development 2. Instructional strategies 3. Socio-cultural influences 4. Identifying GT C. Special Education 1. Acronyms/Terms	II, IV		variety of theories and methods appropriate for teaching classroom		Techniques in the Secondary School ED 4323 – Teaching Techniques in the Secondary School ED 4973 – Student	See syllabus for details
TEA website resources 3. Inclusion		ELPS—English Language Proficiencies http://ritter.tea.state.tx.us/curriculum/biling/elps.html National Assoc. for Gifted Children Teacher Knowledge and Skills http://www.nagc.org/index2.aspx?id=1863	ELPS 1. learning strategies 2. listening 3. speaking 4. reading 5. writing B. G/T 1. Learner characteristics and development 2. Instructional strategies 3. Socio-cultural influences 4. Identifying GT C. Special Education 1. Acronyms/Terms 2. Modifications/ Accommodations	•	in the Secondary School Content Areas ED 4321 – Secondary School Organization and Curriculum ED 4322 – Teaching Techniques in the Secondary School ED 4973 – Student	See syllabus for details See syllabus for details

III, IV	http://ritter.tea.state.tx.us/special.ed 13. Parent Conferencing and Communication Skills	4. Parent Involvement 5. Discipline Programs will select from a variety of theories and	•	ED 4322 – Teaching Techniques in the Secondary School	See syllabus for details
		methods appropriate for teaching communication skills and parent conferencing.	•	ED 4973 – Student Teaching	TxBESS New Teacher Evaluation x 4
I, III	14. Instructional Technology http://www.sbec.state.tx.	SBEC Tech . Stds. for All Teachers 1.Tech terms, concepts, data input strategies and ethical	•	ED 2323 – Introduction to Computer Technology ED 4322 – Teaching Techniques in the	See syllabus for details See syllabus for details
	us/SBECOnline/standtest /edstancertfieldlevl.asp	practices to make informed decisions about tech app 2. Identify task requirements, apply search strategies, use tech to acquire, analyze, and evaluate a variety of information 3. Use technology to synthesize knowledge, create and modify solutions, and evaluate results 4. Communicate in different formats.	•	Secondary School ED 4973 – Student Teaching	TxBESS New Teacher Evaluation x 4

		5. Plan, organize, deliver and evaluate instruction that uses technology, and technology TEKS for students.			
I, III, IV	15.Pedagogy/ Instructional Strategies	Programs will teach a variety of instructional strategies suitable for all classrooms and also for specific subjects and	•	RDG 4320 – Reading in the Secondary School Content Areas ED 4322 – Teaching	See syllabus for details See syllabus for details
		content.	•	Techniques in the Secondary School ED 4323 – Teaching Techniques in the	See syllabus for details
			•	Secondary School ED 4973 – Student Teaching	TxBESS New Teacher Evaluation x 4
I, II, III, IV	16. Differentiated Instruction	Programs will teach a variety of instructional strategies suitable for differentiating	•	ED 4321 – Secondary School Organization and Curriculum	See syllabus for details
		instruction.	•	ED 4322 – Teaching Techniques in the Secondary School	See syllabus for details
			•	ED 4973 – Student Teaching	TxBESS New Teacher Evaluation x 4
IV	17. Certification Test Preparation (6 clock hours required)	Testing study guides, standards, frameworks, competencies	•	ED 4322 – Teaching Techniques in the Secondary School	See syllabus for details
		www.texes.ets.org	•	ED 4323 – Teaching Techniques in the Secondary School	See syllabus for details
			•	ED 4973 – Student Teaching	TxBESS New Teacher Evaluation x 4



Attach instructor vitas.

New position is posted:

Job Title:	ASSISTANT or ASSOCIATE PROFESSOR OF AGRICULTURAL EDUCATION		
Department:	Agriculture		
Salary:	Commensurate		
Job Summary	The position is a 9-month Tenure Track appointment with entrepreneurial opportunities for summer teaching salary. The selected person will have the responsibility of directing the development of a new program and aid in the design of new teaching facilities once the program is established and productive.		
Duties	Teaching responsibilities will include courses in Agriculture Science and Leadership. The candidate will direct the development of the program and be responsible for the modifications of the program to position Angelo State University for producing productive graduates in Agriculture Science and Leadership. This person will also be expected to be active in state and national associations, community programs and area high school events. Therefore, Angelo State University is looking for a dynamic and enthusiastic person to lead the development of the new program.		
Knowledge, Skills and Abilities:	The selected candidate will have an earned doctorate in the field of Agriculture Science and Leadership, Agriculture Education or closely related field by start date. They should have extensive experience teaching at the Junior College or University level and have extensive knowledge of requirements for teacher certification in Agriculture Science and Leadership. The selected candidate should have excellent written and oral communication skills and have the ability to work with diverse groups. Experience with distance education and web-based technology is highly desirable.		

Qualifications	Earned Ph.D in Agriculture Science and Leadership, Agriculture Education or closely related field.
	Candidate should have extensive experience teaching at the Junior College or University level, and posess excellent written and oral communication skills.
Required Applicant	Cover Letter
Documents:	Curriculum Vitae Teaching Philosophy
Other Information:	If three professional letters of reference are not attached at time of application, please mail to: Angelo State University Department of Agriculture ASU Station #10888 San Angelo, TX 76909 Angelo State University is excited to be developing a newly approved program in Agricultural Science and Leadership with Teacher Certification. Angelo State University has a current enrollment over 6,300 students, which is an increase of approximately 5% over the previous academic year. The Department of Agriculture Currently has over 300 undergraduate students and 25 graduate students. Degree programs are currently offered in Animal Science, Animal Business, Agricultural Economics and Natural Resource Management. Minors offered in Food Science and Range & Wildlife Management.
	The Agriculture Department has recently been identified, by the university, as one of its programs of distinction. The department has a 6,000 acre teaching and research ranch, research laboratories and a state of the art, federally inspected, Food Safety and Product Development Laboratory. The ranch contains a herd of registered Angus Cattle, registered Rambouillet sheep, commercial Suffolk sheep, commercial hair sheep, registered Boer goats, and commercial Angora goats. The ranch is also the location of the first and longest running Meat Goat Central Performance Test, and it is recognized for its White-tailed deer herd. The department has an active Block and Bridle Club and Meat and Food Science Association as well as competitive Wool and Meats Judging Teams. The department has also committed itself to reestablishing a Livestock Judging program with a recent hire of a permanent livestock coach/judging coordinator.
	Angelo State University is located in San Angelo, Texas in West-Central Texas. San Angelo has a population

	of approximately 100,000 and offers a small town environment with all the luxuries of a larger city. The economy is strongly influenced by multiple agricultural industries, which makes it ideal for teaching agricultural industries.	
	students.	
Posting Date:	03-23-2010	
Closing Date:	Open Until Filled	
Position Number:	998620	
Job Code:	F0040	
Posting Number:	0000177	
Expected Date of Appointment:	August 1, 2010	
(Faculty Only)		

Attach description of field supervision and classroom mentoring.

Field Experiences	Clinical Practice (Student	Internship (If applicable)
	Teaching)	
10 hours observation/participation	One 14-week, full-time student	One year, full time teacher of
completed in each of ED 4320,	teaching placement: 500 hrs.	record on a probationary
4321, 4322		certificate.

Professional field experiences are a vital component of all educator preparation programs at Angelo State. These field experiences enable teacher candidates to successively observe, assist, and finally teach individuals and groups of students. As candidates progress from observer to practitioner, the field experiences serve as an invaluable bridge between content and practice.

ASU places a strong emphasis on factors pertaining to candidates having diverse experiences over a spectrum of demographics. Numerous factors are strongly considered in the selection of placements to ensure that candidates have opportunities to work with diverse groups of students. All candidates have field experiences in diverse settings with each successive placement decision based on careful examination of previous placements. The Director of Field Experiences maintains field site demographic reports and a candidate placement database. This procedure ensures that over the course of a program, candidates complete field assignments in several different settings that provide experiences with populations of cultural, economic, racial/ethnic diversity as well as working with special needs students.

Pedagogy and Professional Responsibilities Matrix

The clinical experiences begin early in the program and include placements with diverse learners in diverse settings. Appropriate placements in all certification programs, Elementary, Special Education and Secondary are progressive. Experiences vary from observations to small group instruction culminating with full-time practice teaching during student teaching. Candidates are mentored and guided as they progress and reflect upon their developing teaching skills.

Student teaching is the application and culmination of the candidates' learning experience in the Educator Preparation Program. Once a candidate applies for clinical practice, the Director of Field Experiences coordinates with area school districts to place the candidate with a highly qualified supervising teacher. Supervised student teaching lasts fourteen weeks over the course of one semester. Student Teaching experiences allow for a gradual release of responsibility until teacher candidates assume full responsibility for students in a classroom. The experience is carefully planned, involves careful guidance and supervision, and is assessed both formatively and summatively. The university supervisor and the supervising teacher collaborate to produce a series of interim evaluations along with a final evaluation.