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**Employer:** Angelo State University  
**Job Location:** David L. Hirschfeld Department of Engineering  
2225 Vanderventer, San Angelo, TX 76909  
**Position:** Assistant Professor of Mechanical Engineering (Design/Materials)

**Duties:** Angelo State University is seeking a dynamic and energetic mechanical engineering faculty member with a focus in mechanical design, mechanics, and materials to join our team in the growing David L. Hirschfeld Department of Engineering. Angelo State is a teaching-focused, Hispanic Serving Institution and member of the Texas Tech University System. The engineering department is crafting our mechanical engineering curriculum to be culturally relevant to our students in order to foster success in our highly diverse student population. The new mechanical engineering program will feature course offerings that build from a common core of engineering courses shared with the existing civil engineering program within the department. The program currently has 71 majors and expects to graduate its first class of students in spring 2021. The successful candidate will play a strong role under a Department of Education funded program grant to redevelop the engineering curriculum to be culturally relevant to our diverse student population. We expect to seek ABET accreditation for the mechanical engineering program in 2021. The successful candidate must be able to work collaboratively to build a practice-oriented, integrated, broad-based mechanical engineering curriculum, and actively participate in assessment duties that lead to ABET accreditation. This is a full-time tenure-track, nine-month, Assistant Professor position.

**Typical Duties/Job Duties:**  
1) Participate in developing an integrated, practice oriented mechanical engineering curriculum.  
2) Participate in the redevelopment of the engineering curriculum to be culturally relevant to our diverse student population.  
3) Teach, develop, and continuously improve courses and labs to support the curriculum.  
4) Develop, outfit, and serve as lab coordinator for engineering materials laboratories.  
5) Participate in assessment efforts to support curricular development and ABET accreditation.  
6) Teach courses including solid mechanics, material science, engineering materials, material design, and capstone design.
Teach and support foundational engineering courses (freshman- and sophomore-level). 8) Advise undergraduate students. 9) Develop a program of scholarly activities consistent with the candidate’s interests and university objectives.

Requirements: Knowledge of undergraduate education, coursework, and challenges, and how it fits within the broader mechanical engineering curriculum.

- Familiarity with engineering education research and ability to apply best practices.
- Ability to create active, innovative student learning environments.
- Ability to effectively apply technology to improve student learning.
- Ability to perform formative and summative assessment of student learning and apply results of assessment to improve student learning.
- Ability to create environments conducive to the academic success of women, Hispanic, and other underrepresented student groups.

Minimum Qualifications
- Earned doctorate in Mechanical Engineering, Engineering Education, or a closely related field
- Effective communication, teamwork, and planning skills
- University level classroom experience as a teaching assistant or similar role
- Record of or potential for scholarly work

Preferred Qualifications
- Coursework or formal training in engineering education pedagogy
- Experience in course and curriculum development
- Experience in engineering education and/or culturally relevant pedagogical practices

To apply: Applications should consist of ASU Application for Faculty Employment, available at https://employment.angelo.edu.

1. Cover Letter should be no longer than 2 pages and should discuss the potential to involve undergraduate students in the candidate’s scholarly work.
2. The Teaching Philosophy should be no longer than 2 pages and include a discussion of the candidate’s use of technology in teaching.
3. The required Other Document should be no longer than 2 pages and should discuss of how the candidate would help achieve Angelo State University’s goal to attract and graduate more women, Hispanic, and students from other underrepresented groups.

EEO Statement: Angelo State University is an equal opportunity employer and is committed to promoting and ensuring equal employment opportunity for all individuals without regard to race, color, religion, sex, national origin, age, sexual orientation, disability, or veteran status. In compliance with the Americans with Disabilities Act (ADA), Angelo State University is committed to providing reasonable accommodations to ensure equal access to employment opportunities for qualified individuals with disabilities. We are committed to ensuring that a qualified individual with a disability has the same rights and privileges in employment as non-disabled employees. If an accommodation is requested for the job application process, please contact our office at (325) 942-2168 or email us at hr@angelo.edu.
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Employer: Angelo State University
Job Location: David L. Hirschfeld Department of Engineering
2225 Vanderventer, San Angelo, TX 76909
Position: Assistant Professor of Mechanical Engineering
(Thermal Fluids)

Duties: Angelo State University is seeking a dynamic and energetic mechanical engineering faculty member with a focus in thermal fluids to join our team in the growing David L. Hirschfeld Department of Engineering. Angelo State is a teaching-focused, Hispanic Serving Institution and member of the Texas Tech University System. The engineering department is crafting our mechanical engineering curriculum to be culturally relevant to our students in order to foster success in our highly diverse student population. The new mechanical engineering program will feature course offerings that build from a common core of engineering courses shared with the existing civil engineering program within the department. The program currently has 71 majors and expects to graduate its first class of students in spring 2021. The successful candidate will play a strong role under a Department of Education funded program grant to redevelop the engineering curriculum to be culturally relevant to our diverse student population. We expect to seek ABET accreditation for the mechanical engineering program in 2021. The successful candidate must be able to work collaboratively to build a practice-oriented, integrated, broad-based mechanical engineering curriculum, and actively participate in assessment duties that lead to ABET accreditation. This is a full-time tenure-track, nine-month, Assistant Professor position.

Typical Duties/Job Duties: 1) Participate in developing an integrated, practice oriented mechanical engineering curriculum. 2) Participate in the redevelopment of the engineering curriculum to be culturally relevant to our diverse student population. 3) Teach, develop, and continuously improve courses and labs to support the curriculum. 4) Develop, outfit, and serve as lab coordinator for new thermal-fluids laboratories. 5) Participate in assessment efforts to support curricular development and ABET accreditation. 6) Teach courses including thermodynamics, fluid mechanics, heat transfer, thermal fluids systems design, and capstone
7) Teach and support foundational engineering courses (freshman- and sophomore-level). 8) Advise undergraduate students. 9) Develop a program of scholarly activities consistent with the candidate’s interests and university objectives.

Requirements: Knowledge of undergraduate education, coursework, and challenges, and how it fits within the broader mechanical engineering curriculum.

- Familiarity with engineering education research and ability to apply best practices.
- Ability to create active, innovative student learning environments.
- Ability to effectively apply technology to improve student learning.
- Ability to perform formative and summative assessment of student learning and apply results of assessment to improve student learning.
- Ability to create environments conducive to the academic success of women, Hispanic, and other underrepresented student groups.

Minimum Qualifications
- Earned doctorate in Mechanical Engineering, Engineering Education, or a closely related field
- Effective communication, teamwork, and planning skills
- University level classroom experience as a teaching assistant or similar role
- Record of or potential for scholarly work

Preferred Qualifications
- Coursework or formal training in engineering education pedagogy
- Experience in course and curriculum development
- Experience in engineering education and/or culturally relevant pedagogical practices

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NOTICE OF FILING

ANGELO STATE UNIVERSITY

Office of the Provost and Vice President
for Academic Affairs

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Employer: Angelo State University
Job Location: David L. Hirschfeld Department of Engineering
2225 Vanderventer, San Angelo, TX 76909
Position: Assistant Professor of Civil Engineering
(Transportation and Planning)

Duties: Angelo State University is seeking dynamic and energetic faculty in the area of transportation and planning to join our team building the David L. Hirschfeld Department of Engineering. We are an Hispanic Serving Institution and member of the Texas Tech University System. The program is in its fifth academic year and currently has 120 majors. The program applied for ABET accreditation in fall 2019 and is awaiting official announcement of accreditation status. The successful candidate must be able to work collaboratively to build an integrated, broad-based civil engineering curriculum, and the assessment plan needed to maintain ABET accreditation. This is a fulltime tenure/tenure track, nine-month, position with additional appointment for the summer of 2020.

Typical Duties/Job Duties: 1) Participate in developing an integrated, practice oriented civil engineering curriculum. 2) Develop new courses in transportation planning, transportation design and other areas which support the curriculum. 3) Outfit a transportation design lab with appropriate hardware and software. 4) Implement and maintain assessment plans to support curricular development and ABET accreditation. 5) Teach courses in one or more areas of transportation engineering, planning, civil engineering or engineering science. 6) Advise undergraduate students. 7) Develop a program of scholarly activities consistent with the candidate’s interests and university objectives.

Requirements: Qualifications include: Knowledge of undergraduate transportation engineering and planning coursework and how it fits within the broader civil engineering curriculum.

- Familiarity with engineering education research and ability to apply best practices.
- Ability to create active, innovative student learning environments.
- Ability to effectively apply educational technology to improve student learning.
• Ability to perform formative and summative assessment of student learning and apply results of assessment to improve student learning.
• Ability to create environments conducive to the academic success of women, Hispanic, and other underrepresented student groups.

Minimum Qualifications
• Earned doctorate in Civil Engineering, Transportation Engineering, Urban planning, Engineering Education or a closely related field.
• Effective communication, teamwork, and planning skills.
• Demonstrated teaching excellence commensurate with level of appointment.
• Record of or potential for scholarly work commensurate with level of appointment.

Preferred Qualifications
• Experience in course and curriculum development
• Coursework or formal training in engineering education pedagogy
• Experience in preparing for ABET accreditation materials
• Experience with GIS, MicroStation, AutoCAD Civil 3D, or similar design software
• Experience in engineering surveying

To apply: Applications should consist of ASU Application for Faculty Employment, available at https://employment.angelo.edu.
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