

UTEP Meeting
December 12, 2018
@5:00pm

Attendees: Dr. A. Choudhuri, Dr. Chessa, Mr. R. Carrillo, Mr. M. Moreno, Mrs. J. Banuelas

Minutes:

Goals: bring UTEP classes as Dual Credit classes through the STEM Engineering Pathway to Fabens HS, industry certification, and FAA Drone pilot license.

Drones Course

- This would be a 2yr course, Junior and Senior course.
- First year: obtaining a pilot license through FAA regulations. Students would practice at UTEP's Tornillo Drone Facilities.
- UTEP will network with Work Force Solution for FAA licensing exam.
- Second year: students would practice different scenarios/missions where drones are used, ie. Shipping, security, etc. This would include an internship with shipping department at Fabens ISD.

Graphics (Solid Works)

- One year course counting towards a Dual Credit course.
- UTEP will train HS teachers during the summer 2018 with stipend.
- UTEP will provide a TA/professor for the class to teach as Dual Credit.
- Students would challenge test to be industry certified.
- Class funded by UTEP.
- Although AutoCAD is presently taught, Solid Works is an approved industry certification through CTE.

Static Course (Engineering Physics)

- One year course, Dual Credit.
- Statics would be an option on the Engineering Pathway, Physics as core class.
- UTEP will train HS teachers during the summer 2018 with stipend.
- UTEP will provide a TA/professor for the class to teach as Dual Credit.
- Class funded by UTEP.

Suggestions from UTEP:

- Instead of having students follow a pathway, can they take any 4 engineering courses (min.) and still fall under the STEM Engineering pathway.
- Possibility of teachers obtaining min. 15hour engineering training to receive a Mechanical Engineering Certificate.

Actions:

- Open up these classes to STEM science and STEM math to be able to obtain the 25 engineering students.
- Send information about Dual Credit MOU to Dr. Choudhuri in order for him to start compiling the MOU for the 3 courses by Friday 12-14-18.
- Create a Ppt. presentation depicting the steps required to offer these new courses by 2019-20 school year.
- Expected date for finalized MOU is February 15, 2019.
- Announce the new courses in March to students, faculty and staff.