

Pre-Engineering Advisory Committee Minutes

October 28, 2019

Members present: Mark Goodno with Phillips 66, Justin Landers with Phillips 66, Joe Greenlee with Ditch Witch, Trish Williams and Austin Jones with Enel Green Power, Doug Wormley with Kay Electric. NOC members present Dr. Frankie Woodblack, Dr. Charmiane Munro and Jack Clossen,

Trish Williams announced that Shafe Mashburn, PTEC graduate, from Fairfax and first student to get a scholarship and graduating from High Plains Wind Technology and his future position at Enel that he has been chosen by National Geographic in Italy for his story. National Geographic team is working with Ms. Williams on filming in Fairfax and possibly NOC. She is waiting for the agenda but tentative November 17th thru the 20th. Introduction of Austin Jones that will be replacing Ms. Williams on the board and he is a former NOC student.

Dr. Woodblack summarized the documents in the folder with past committee minutes, current degree programs, Process Technology Majors and Graduation Numbers, and NOC Foundation and Scholarship receipts for Engineering, Physical Science and Process Technology. Thank everyone for their support and funding.

Dr. Woodblack discussed the possible changes to Mathematics and Physical Science Pre-Engineering option degree to be more toward the Biological science with Agriculture and more traditional degree with Physics with Chemistry and Meteorology programs at Oklahoma State University. Need to articulate some of the degree pathways. Starting to see more electrical engineering and searching for instructors with the electrical background with power generation and electrical circuits. Process Technology option, working with OG&E to build up the electricity side. Enel has had a NOC student for job shadow

We have engineering four students that has been accepted to the Bell program, cooperative learning program, in Minnesota for a semester. Where they learn job skills, interview skills, professional skills and how they are going to learn in their overall program and taking one course at a time while on the job. There are about six students that are looking at a cooperative learning program. Patton Malcolm is one at the Bell program and he is also the one that was the summer job shadow. Several students going between chemical and electrical options.

Troubleshooting program with Phillips 66, we did not have a team this past year but have two full teams this year that will be going to Louisiana.

Students are looking for paid and non-paid internships and opportunities of earning while they work. Power generation is a need but trying to find a qualified instructor. Dr. Woodblack covered the guidelines for adjunct and faculty instructors.

Justin Landers asked about the requirements for operator internship, such as summer curriculum. Dr. Woodblack said there are guidelines per the degree such as oral reports and letters from company and based on number of credits they are earning. Will work with Mark Goodno on possible internships after working with the Union representative to make sure to stay current with hours and payroll classification. Discussion on difference between internship and cooperative programs.

Ms. Williams discussed the Pathways program with High Plains and Oklahoma Panhandle State with thirty credit hours. Also if any student is interested, they have a program in Andover MA. Discussion on how the employers are looking for degreed employees. With High Plains, all the December graduates will have a position with the wind industry. Most landowners with the windmills have a 30 to 40 year lease. Dr. Woodblack suggested arrange meeting and lay out the requirements. Could set to feed into the High Plains or exchange with them. What is would take for statistics and provide the data locally, what classes are needed for a wind technology degree. NOC works with Pioneer Tech with the Instrumentation Technology degree. Austin Jones asked if there was possible way to work with Pioneer Tech for some of the training as it is closer then High Plains.

Dr. Woodblack asked if there is anything that we need to do to assist your company. Discussed we are offering Physics and Chemistry in the evening to assist the working students to obtain their degree. Dynamics class is offered in the summer to assist the students. Doug Wormley asked about the mapping class, Dr. Woodblack would love to get mapping but offered thru supervised studies. Mr. Wormley mentioned that they have been without a mapping person since February. Justin Landers mentioned that the mock interviews, resume/creative writing and job shadowing has been beneficial for the students.

Dr. Woodblack thanked everyone for their time and support.

Meeting adjourned

