

**Prairie View A&M University
Chemical Engineering Department
Industrial Advisory Council Meeting**

Meeting Agenda

02 October 2020 @ 14:00 CST

- 1: Welcome and Introductions
- 2: Review and Accept Previous Meeting Minutes
Meeting of 31 January 2020
- 3: Matters Arising & Departmental Updates:
 - Faculty
 - Staff
 - Laboratory
 - Senior Design
 - ABET
 - PEO
 - Alumni
- 5: Any other matters (AOB)
- 6: Adjourn

**Prairie View A&M University
Chemical Engineering Department
Industrial Advisory Council**

Meeting Minutes

02 October 2020

Meeting (online via Zoom) called to order at 14:05 CDT by Yao Ababio

Attending:

Name	Organization	Phone
Ken Walter	Retired Consulting Engineer	281-292-3623
Cordelia Price	Retired Consulting Engineer	713-594-6364
Michael Washington	Arkema, Inc	201-254-0213
Vic Edwards	VHE Technical Analysis, LC	713-724-0406
Yao Ababio	BSLMC/YAB Solution	281-704-7455

Absent:

Freeman Self	Bechtel	713-526-9172
Caryn Davis	Bechtel	832-723-4334

Faculty in Attendance:

Dr. Osborne-Lee	PVAMU Chemical Engineering	936-261-9406
Dr. Sheena Reeves	PVAMU Chemical Engineering	
Dr. Safwat Shakir	PVAMU Chemical Engineering	832-250-9419
Dr. Michael Gyamerah	PVAMU Chemical Engineering (HoD)	281-746-0480
Dr. Lealon Martin	PVAMU Chemical Engineering	
Dr. Emmanuel Dada	PVAMU Chemical Engineering	215-850-1883
Dr. Keisha Antione	PVAMU Chemical Engineering	
Dr. Nabila Shamim	PVAMU Chemical Engineering	806-252-2522
Dr. Jorge Gabitto	PVAMU Chemical Engineering	

Staff in Attendance:

Ms. Sachie Etherington	Senior Lab Coordinator
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Previous meeting minutes were reviewed, corrected (inserting “Encourage students to take Engineering Economy in the first semester of the junior year” under Departmental Updates) and accepted with necessary corrections. Dr. Ken Walter motioned and Michael Washington seconded.

Departmental Updates:

Faculty:

- Ten faculty on roll, one administrative staff and one Senior Lab Coordinator
- 3 Full Professors (Osborne-Lee, Gabitto, Gyamerah), 1 Associate (Reeves), 4 Assistant Professors and 1 lecturer.
- Student enrollment (currently 196), a dip from 221 on last reporting, likely due to more students graduating in the Spring Semester. Want to achieve a faculty/student ratio of 1:20 with a preference for 1:18.

Curriculum:

- Computations Course for Freshmen (2nd Semester) introduced to replace ELEG 1043. Becomes pre-requisite for CHEG 2053 Chem Eng Lab 1 to help with writing and data analysis, starting Fall 2021.
- Material and Energy Balance becomes pre-requisite to Chemical Engineering Thermo 1, is approved.
- Ethics course open to all students of the College of Engineering.
- IAC support needed to beef up project management skills in Senior Design class, may be under professional development and ethics.

Staff:

Laboratory:

- IAC help needed in raising \$5 million for a new College of Engineering (CoE) building from which department may benefit in terms of space availability for chemical engineering labs, workshops and freshman demonstration programs. Department being requested to review space needs in the new CoE building.

Senior Design:

- Michael Washington appreciated for continuous support of students in delivering safety lectures. IAC complimented for continuous departmental support.
- Students caution on IAC expectations on project presentations.
- Suggesting to introduce detailed heat and or pressure exchanger design into Fall Semester as prep for students for Spring Semester detailed design presentations.
- Inter-loan services expanded and available at the main library to help students research and improve access to technical and commercial data.
- The need to help provide sources of rough cost data of raw materials to help student design projects.

ABET:

- Internal mock ABET concluded with shortcomings addressed:
 - Course binders to be completed and reviewed in the Fall to ensure compliance.
 - Website updated as the singular source of information about department

- Substantive Head of Department position to be advertised.
- ABET criteria A to K modified and consolidated to 1 to 7 student learning items.
- SACS visit due 2021.

PEO Program Education Objectives:

- IAC had earlier access (via email) to the PEO document for review. It was approved at this meeting after a short discussion. Would be made ready for mock ABET visit in Summer 2021.

Alumni:

- Will continue to facilitate safety lectures (care of Mr. Michael Washington).
- Will seek expertise for project management lectures/seminars for students.
- Will help organize plant tours for students, currently and prospectively, Arkema and BP.
- Support heat exchanger design tutorials.
- Alumni speakers welcomed to the Chemical Engineering Series.

AOB:

- Dr. Keisha Antoine made a presentation on accreditation binders, with the objective of spreading the risk appropriately amongst faculty.
- College of Engineering Dean's guidelines for collective Departmental IAC presentations on the last Thursday and Friday of April 2021 was discussed. IAC was of the opinion that Chairperson communicate with other departmental IAC chairs and to seek clarity from Dean on program objectives.
- Department may provide simulations/demonstrations workshops to meet Dean's IAC objectives.

Next IAC Meetings:

25 January 2021

01 October 2021

Senior Design Presentation – Spring: 24 April 2021

Senior Design Presentation – Fall: 20 November 2021