

Engineering Systems Technology Annual Advisory Committee Meeting
Jackson State Community College
May 7, 2019
7:30 – 9:00 a.m.

Meeting was called to order by Chairman Reggie Davis at 7:30 am. Chairman Davis offered timely remarks on encouraging the board and staff to have a love for what we all do. The meeting proceeded as outlined on the agenda with respect to welcome and introductions, discussions of old business, and outline of new business discussions. A copy of the agenda will be placed in the appendix of this report.

Meeting attendees were.....(12 industry attendees). (Business and Industry Dean Terri Messer, Completion Coach Cathi Roberts, Workforce Development Director Kimberly Johnson, and faculty members Aaron Hamilton, Roger James, and Benjamin Lawrence.)

Old Committee Business: Progress on McWherter Center lab updates were provided by B. Lawrence and R. James. B. Lawrence reported on updates to the MC 137 classroom space, specifically on moving the robots from MC 131C into MC 137 and the addition of four training robots into the workspace. JSCC is now a certified FANUC robot training facility. R. James updated the board on continuing efforts on the motion control trainer in MC 131A. It was also noted that through the efforts of faculty member A. Hamilton, a much improved LOTO system has been put into practice for the MC 131 lab areas.

New Committee Business: An outline of new business presentation topics involved reporting on program updates, program schedule review(s), ATMAE accreditation report, program funding efforts, program recruitment updates, staff / instructor specialized training updates, and curriculum reviews for four of the current JSCC Engineering Systems Technology (EST) courses.

Program Updates – Dean T. Messer updated the board on EST students in the pipeline, the number of EST graduates over the past three years, and graduate exit exam trends. She also updated the board regarding JSCC now being a FANUC training center, alternate robotics training in existence at Motlow State Community College, the Fact Sheet relating certain school performance data, and differences / similarities between the JSCC EST program and the TCAT's.

Program Schedule Review(s)– Dean T. Messer highlighted for the board the various cohorts existing within the EST framework (AMT Cohort 6, ETS Evening Cohort 2 – started in Fall 2018, and the EST Evening Cohort starting in Fall 2019). These cohort schedules are located on pages 4-6 of the meeting agenda appendix.

ATMAE Reaccreditation – Dean Messer updated the advisory board about the successful recommendation process for eventual forwarding to the ATMAE Board of Accreditation in November 2019. She informed the advisory board of the department's awareness to upgrade the annual graduate survey and employer survey questions with regard to the partial compliances received in these areas.

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Program Recruitment Efforts – Completion Specialist C. Roberts gave a brief summary of Advanced Maintenance Technician (AMT) and EST program recruitment efforts. Approximately 60 events were supported at sites ranging from the JSCC Humboldt Center to local media outlets in our 14-county service area. 24 AMT applications had been received, with 20 interview candidates being vetted for potential industry work opportunities.

(Continuation of new committee business)

Program Funding Efforts – Dean T. Messer requested feedback from advisory board participants on Perkins V funding requests. After providing a brief review of the Perkins V funding process, she asked if the board could provide feedback within one week regarding their perception of current and future needs for their facilities. Quality in meeting feedback was provided with respect to [1] Cobot integration, [2] improving IoT integration efforts, and [3] improving Predictive Machine Analysis on the plant floor. Much of this discussion could be directed towards the Robotics, Electronics I, Industrial Electronics and Motion Controls, and Capstone classes.

JSCC Staff/ Instructor Specialized Training Updates - Dean T. Messer updated the board on summer training plans for all three EST faculty members. A. Hamilton will continue to upgrade his OSHA training experiences with the eventual intention of directing students to gain their 30-hour OSHA safety training certification. Both A. Hamilton and B. Lawrence will be participating in a statewide additive manufacturing workshop this summer. B. Lawrence will be conducting a workshop at this fore mentioned workshop. Both A. Hamilton and R. James will be working on summer externships with various companies within the manufacturing consortium in Summer 2019. A. Hamilton will focus certain efforts on practical industrial safety whereas R. James plans to focus on relevant hydraulic and pneumatic equipment maintenance practices.

Curriculum Review(s) - Dean T. Messer provided meeting participants with a crosswalk of the 14 courses in the EST curriculum. B. Lawrence presented and overview of the [1] EETC Electronics I course, followed by R. James with [2] EETC 2361 Instrumentation and A. Hamilton with [3] ENST 1311 Computer Aided Design and the [4] ENST 1370 Industrial Safety. Comments provided towards each course have been gathered and subsequently placed in a separate appendix. These comments will be used to institute micro and as needed macro level adjustments to the in-class course presentation materials.

Suggested Appendices

Appendix A: EST Agenda (27 pages)

Appendix B: Curriculum comments for EETC 1321

Appendix C: Curriculum comments for EETC 2361

Appendix D: Curriculum comments for ENST 1311

Appendix E: Curriculum comments for ENST 1350