

Design, Construction and Commission of a Small Integrated Process Plant: Emerson Project

Proposed by Prof. Frank Lomax

The Department is offering an advanced seminar/independent study in cooperation with Emerson Electric, Co. covering the topics of formal methods of design, documentation, configuration, programming and commissioning of automated process plants. The seminar team consists of Seniors and Graduate students, and will design, construct and commission a small integrated process plant using Emerson-provided instruments, valves, and DeltaV DCS hardware and software. The seminar will meet once a week throughout the Fall, with independent deliverables on a weekly basis, and finalized "design book" and the plant itself as the final deliverable on a team basis. Approximately 50% of the sessions will be led by Professor Frank Lomax, P.E., while approximately 50% will be led by expert employees from Emerson. A demonstrated interest in process automation and plant/equipment design is mandatory for inclusion in the seminar. Interested students should send their professional resume to Professor Lomax and schedule an in-person interview.