

Engineering Systems Technology 2025 Advisory Committee Meeting Minutes

Friday May 16th

8:30 am

In attendance:

1. Welcome and Introductions

The majority of the attendees are new members of the advisory committee. Members and visiting attendees took turns introducing themselves.

2. Program Overview

a. ATMAE Accreditation

Discussed the recent accreditation of the Engineering Systems Technology programs with the Association of Technology, Management, and Applied Engineering (ATMAE). Explained the background and benefits of being 3rd party accredited.

b. Course Sequence

Faculty went through the course sequence to familiarize returning and new Advisory members with the program's academic structure. Faculty summarized each ENST/EETC course and gave a brief description of the topics and materials they covered. This discussion was driven mainly by questions by committee members asking for clarification and context. At this time, there were not a lot of suggestions for future course changes. Mr. Jim Droke suggested that ENST 1311 Computer Aided Design include hand drafting, he recommended the addition to help students with understanding of 3D space.

c. Growth

Trends in growth and overall academic performance were discussed. Growth has been positive over the last three Fall semesters, while average GPA has fallen. Committee members asked questions to clarify how data was collected. Members of the committee who are employers of recent graduates mentioned noticing a slight decline in performance as well.

d. Exit Exam Results

Exit exam results have been steady over the last 5 years showing little movement, however the standard deviation of results has been growing, indicating a wider range of exam grade results.

3. Advanced Maintenance Technician Overview

Introduced and discussed the AMT co-op and covered the differences between the co-op and ENST program. Also discussed how the co-op is integral to the success of the program. Members representing manufacturers in the service area, Mr. Jim Droke, Mr. Duncan Baggett, Mr. Reggie Davis, pointed out the performance differences between

students who graduated having participated in the co-op and those who had not. Concern for the quality of graduates who had not participated was mentioned.

4. Next Steps

Ideas for future growth were shared, possible pathways/concentrations within ENST, transitioning to a 3rd party certification/Exit Exam, and the possible need to adjust curriculum were given as examples. Over the next year the program faculty and advisory committee plan to review the program goals and learning outcomes. A Microsoft Teams/Sharepoint page was discussed as an easy way to disseminate information and record discussions and work.

5. Closing

The meeting was adjourned and a tour of the facilities was conducted for the members who wanted it.