

# AIR QUALITY EMISSIONS AND EQUIPMENT SHORT COURSE

CENTER FOR AGRICULTURAL AIR QUALITY ENGINEERING AND SCIENCE  
TEXAS A&M UNIVERSITY  
COLLEGE STATION, TEXAS

## DESCRIPTION

This two-day workshop of applied engineering will provide in-depth instruction associated with air quality engineering. Participants will learn engineering principles, relate them to real world problems and perform calculations to determine what abatement steps to take at various agricultural facilities.

Topics include basic heat and mass transfer, psychrometrics – the study of moist air and of the changes in its condition, measuring and calculating emission rates, reviewing National Ambient Air Quality regulations, and selection and application of emissions control equipment. Classroom instruction also covers current agricultural events where industries seek to comply with stringent air quality requirements. Students gain “hands-on” experience by using graphs, performing calculations, participating in class discussions, and completing practice worksheets/exams covering each topic.

## DELIVERABLES

Instructors from the Center for Agricultural Air Quality Engineering and Science (CAAQES) will provide:

- Instruction on air quality engineering, control selection and calculations;
- Meeting facilities on the Campus of Texas A&M University, College Station, Texas;
- Bound reference material and publications to assist students with understanding the course content and applying the concepts learned;

## Tuition

\$1000 per participant