

ABET Outcome Survey

Important Note: These outcomes reflect a personal (student) assessment of the course, not the instructor's assessment.

| ABET Outcomes for AE 481W/482 | Outcome not able to be assessed | Level of ability demonstrated but below acceptable | Minimum acceptable level of ability demonstrated | More than minimum level of ability demonstrated |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|
| | (Score of 0) | (Score of 1) | (Score of 2) | (Score of 3) |
| a. An ability to apply knowledge of mathematics, science, and engineering | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X |
| b. An ability to analyze and interpret data | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X |
| c. An ability to design a system, component, or process to meet desired needs | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X |
| e. An ability to identify, formulate, and solve engineering problems | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X |
| f. An understanding of professional and ethical responsibility | <input type="checkbox"/> | <input type="checkbox"/> | X | <input type="checkbox"/> |
| g. An ability to communicate effectively | <input type="checkbox"/> | <input type="checkbox"/> | X | <input type="checkbox"/> |
| h. The broad education necessary to understand the impact of engineering solutions in a global and societal context | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X |
| i. An ability to engage in life-long learning | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X |
| j. A knowledge of contemporary issues | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X |
| k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X |

| practice | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|----------|--------------------------|
| o. Engineering design capabilities in at least two (2) of the (3) basic curriculum areas of architectural engineering, and that design has been integrated across the breadth of the program | <input type="checkbox"/> | <input type="checkbox"/> | X | <input type="checkbox"/> |
| p. Communication and interaction with other design professionals in the execution of building projects | <input type="checkbox"/> | <input type="checkbox"/> | X | <input type="checkbox"/> |