

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"/> | X | <input type="checkbox"/> |
| 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"/> | <input type="checkbox"/> | X |
| g. An ability to communicate effectively | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X |
| h. The broad education necessary to understand the impact of engineering solutions in a global and societal context | <input type="checkbox"/> | <input type="checkbox"/> | X | <input type="checkbox"/> |
| i. An ability to engage in life-long learning | <input type="checkbox"/> | <input type="checkbox"/> | X | <input type="checkbox"/> |
| j. A knowledge of contemporary issues | <input type="checkbox"/> | <input type="checkbox"/> | X | <input type="checkbox"/> |
| 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"/> | <input type="checkbox"/> | X |
| p. Communication and interaction with other design professionals in the execution of building projects | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X |

AE481W and AE482 Reflection

The experience I gained over the past two semesters has helped me learn a lot about real world applications. I feel that after my fifth year I am ready to enter the engineering field and perform at my best. These courses helped me communicate with professionals as well as allow me to practice time management skills.

I never realized how much I learned in this program and in these courses until I was listening to all the final presentations. A year ago I sat in on thesis presentations and everything was completely over my head. The process we have to go through during both semesters allows us to take everything we've learned and logically apply it to not only our building but our classmates' buildings as well.

CPEP & Discussion Board Reflection

Before this class I had never had the opportunity to put this much detail into my own website. Senior Thesis allowed us to not only design it but put our own twist and style into the site. This freedom and new experience definitely helped through the past two semesters.

The discussion board was very helpful at times. This tool not only helped answer my questions, but it also allowed me to apply things I never would have to my thesis. When I was reading other questions, it allowed me to brainstorm on how to apply it to my project. Whether the questions could be applied to my building or not the discussion board opened up my eyes to many different aspects of my option.