

# ACE Mentor Program of Central Florida 2024-2025



**All meetings start at 6:00 PM and end at 8:00 PM (except for field trips / site tours)**

| SESSION   | DATE              | TOPIC / ACTIVITY   | DISCIPLINES REQUIRED                   | LOCATION     |
|---|-------------------|--|--|--------------|
| <i>School Starts - August 12, 2024 (OCPS, SCPS, SDOC)</i> |                   |  |  |              |
| Meeting #1  | October 9, 2024   | <b>Introduction Meeting</b><br>-Introduce ACE Program and review schedule.<br>-Ice Breaker function to introduce students to mentors and students to students in a teamwork environment.<br>-Review RFQ design competition.<br>-Create project groups. Develop roles for group.  | ALL MENTORS                            |              |
| Meeting #2  | October 23, 2024  | <b>FIELD TRIP!!!</b><br>TBD Location   | ALL MENTORS                            | LOCATION TBD |
| Meeting #3  | November 6, 2024  | <b>Industry Overview:</b><br><br><b>Architecture / Design Presentation</b><br><br><b>Architecture / Design Activity</b><br><br><b>Project Session:</b><br>- Discuss group project and competition.<br>- Begin concept development and ideas.   | Architect                              |              |
| Meeting #4  | November 20, 2024 | <b>Industry Overview:</b><br><br><b>Civil Engineering Presentation</b><br><br><b>Landscape Architect Presentation</b><br><br><b>Project Session:</b><br>-Discuss how to implement Civil and Landscape into group project.<br>- Continue developing group project.<br>- Concept should be selected for all groups.  | Civil Engineer and Landscape Architect |              |
| <b>11/25/24-11/29/24 - THANKSGIVING BREAK</b>             |                   |  |  |              |
| Meeting #5  | December 4, 2024  | <b>Project Session</b><br>- Continue to develop group projects.<br>- Concept should be finalized, site plans developed, building sketches and design progressing.<br>- Discuss precedent projects and how to implement similar completed projects into a design presentation.  | ALL MENTORS                            |              |
| <b>12/23/24-1/6/25 - WINTER BREAK</b>                     |                   |  |  |              |
| Meeting #6  | December 18, 2024 | <b>Industry Overview</b><br><br><b>Structural Engineering Presentation</b><br><br><b>Engineering Activity:</b><br>- <u>Spaghetti and Gumdrops Buildings</u><br><br><b>Project Session:</b><br>Discuss structural design implementation into project. Initial site sketches should be developed and discussed. Students are encouraged to continue to develop concepts over the holiday break to present at the January 10th meeting. | Structural Engineer                    |              |

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| Meeting #7   | January 8, 2025   | <b>Project Session</b><br>- Continue to develop group projects.<br>- Concept should be finalized, site plans developed, building sketches and design progressing.<br>- Discuss precedent projects and how to implement similar completed projects into a design presentation.  | ALL MENTORS                         |          |
| Meeting #8   | January 22, 2025  | <b>Industry Overview</b><br><br><b>Mechanical / Plumbing Engineering</b><br><br><b>Electrical Engineering</b><br><br><b>Project Session:</b><br>- Discuss implementation of MEPF items into group projects.<br>- Discuss LEED relationship of MEPF items into project.   | MEPF Engineers                      |          |
| Meeting #9   | February 5, 2025  | <b>Project Session</b><br>- Draft presentation for National Competition.<br>- Continue development of local competition project  | ALL MENTORS                         |          |
| Meeting #10  | February 19, 2025 | <b>Industry Overview:</b><br><br><b>Owner's Representative Presentation</b><br><br><b>Construction Management Presentation</b><br><br><b>Project Session:</b><br>- Discuss project schedule and budget.<br>- Begin to discuss materials, construction techniques, etc.<br>- Initial sketches should be developed and discussed.<br>-Continue development of group projects.<br>-Draft presentation of National Completion. | Owner Rep and Construction Managers |          |
| Meeting #11  | March 5, 2025     | <b>Industry Overview:</b><br><br><b>Solar Energy Overview:</b><br><br>We will be diving into the Future of Buildings with integrating resiliency into design and construction as well as achieving zero energy buildings through onsite energy production + battery storage.   | Speciality Engineer                 |          |
| <b>03/17/25-03/21/25- SPRING BREAK</b>                   |                   |  |                                     |          |
| Meeting #12  | March 26, 2025    | <b>FIELD TRIP!!!</b><br><b>TBD Location</b>  | ALL MENTORS                         | TBD      |
| <b>ACE National Competition - Submittal Due</b>          |                   |  | <b>Mid March - TBD</b>              |          |
| Meeting #13  | April 9, 2025     | <b>Project Session:</b><br><br><b>Local Competition Finalization:</b><br>- Draft Boards to Mentors for review<br>- Mentors to return Boards with Mark ups to the students by April 1st.  | ALL MENTORS                         |          |
| <b>ACE National Competition - Finalists are Notified</b> |                   |  | <b>Early April - TBD</b>            |          |

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| Meeting #14   | April 23, 2025 | <b>Project Session:</b><br><br><u><b>Local Competition Finalization</b></u><br>- Final Preview of All Presentations.<br>- Groups will be selected at this meeting to present at the final banquet.<br>- All groups to prepare presentation boards for banquet display. | ALL MENTORS                    |          |
| <b><u>ACE National Competition - Finalists Present to ACE CIRT Judges</u></b> |                |  | <b><u>Late April - TBD</u></b> |          |
| Final Meeting   | May 16, 2025   | <u><b>ACE Banquet</b></u><br><b>Local Competition and Awards Ceremony</b>  | ALL MENTORS<br>All ACE Groups  | TBD      |