

ACE MENTOR PROGRAM OF ROCHESTER COMMUNITY PARK SYLLABUS 2023 – 2024



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| Date | Locations & Descriptions |
|---|---|
| Thursday, September 14 6:00 pm – 7:00 pm Mentors Optional | Student Open House – The Pike Company, 1 Circle Street, Rochester, NY 14607 <ul style="list-style-type: none"> Overview of program and expectations Parents welcome to attend |
| Thursday, September 21 | Student application deadline (www.acementor.org) |
| Thursday, September 28 | Notification sent to all applicants via email with syllabus |
| Tuesday, October 10 4:30 pm - 6:30 pm | Meeting #1 – Introductions and Civil Drawings – Builders Exchange, 180 Linden Oaks # 100, Rochester, NY 14625 <ol style="list-style-type: none"> 1. Mentor’s Introductions 2. Student Introductions & Photos 3. Collect the Student’s shirt and shoe size 4. Purpose of Civil Drawings 5. Hand out Engineers Scales, triangle, and trace paper. 6. Scaling and site utilities. 7. Introduce project requirements - Pass out site plans and elevation. |
| Saturday, October 14 9:00 am - 10:30 am Mentors Optional | Meeting #2 – Site Field Trip – The Pike Company, 1 Circle Street, Rochester, NY 14607 <p style="text-align: center;">THIS IS A RAIN OR SUNSHINE EVENT, DRESS APPROPRIATELY</p> <ol style="list-style-type: none"> 1. Depart at 9:05 am to walk to Rochester Public Market 2. Walk around the project site. 3. Review traffic paths, site constraints, and areas of improvement. 4. Depart the Public Market at 10:15 am to arrive at Pike by 10:30 am <p>Assignment: Brainstorm market improvements.</p> |
| Tuesday, October 17 4:30 pm - 6:30 pm | Meeting #3 – Urban Planning & Site Design Process – Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604 <ol style="list-style-type: none"> 1. Urban Planning 2. Discuss Bubble Diagrams 3. Start placing elements onto the plot plan. <p>Assignment: Develop inspiration for your Market individually.</p> |
| Tuesday, October 24 4:30 pm – 6:30 pm | Meeting #4 – Renewable Energy – CPL, 100 S Clinton Ave, Rochester, 14604 (7 th floor) <ol style="list-style-type: none"> 1. Learn about different types of renewable energy. 2. How can renewable energy be incorporated into your project? 3. Divide students into teams. 4. Work on bubble diagrams with your team. <p>Assignment: Enhance your bubble diagrams.</p> |
| Saturday, October 28 8:00 am – 12:00 pm Mentors Optional | Meeting #5 – Concrete Footing Competition - Pike Company Warehouse, 936 East Main Street, Rochester, NY 14605 <p style="text-align: center;">DRESS WARM – EVERYONE MUST WEAR THEIR WOOK BOOTS</p> |

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| | <ol style="list-style-type: none"> 1. Tool Box Talk 2. Students will be divided into (4) teams and partnered with the following companies: <ol style="list-style-type: none"> a. The Pike Company b. LeChase Construction c. Manning Squires Henning d. Massa Construction |
| Tuesday, October 31 4:30 pm – 6:30 pm | Meeting #6 – Estimating - Labella Associates, 300 State St #201, Rochester, NY 14614 <ol style="list-style-type: none"> 1. Learn how contractors estimate a project. 2. Work in groups on your project. <p>Assignment: Create an initial site plan to scale.</p> |
| Saturday, November 4 11:00 am – 1:00 pm Mentors Optional | Meeting # 7 R. I. T. Tour - 2140 Bausch & Lomb Center, 60 Lomb Memorial Drive |
| Thursday, November 9 4:30 pm – 6:30 pm | Meeting #8 – Bid Day Experience – LeChase, 205 Indigo Creek Dr, Rochester, NY 14626 <ol style="list-style-type: none"> 1. Mock bid day experience |
| Tuesday, November 14 4:30 pm - 6:30 pm | Meeting #9 – ACE Alumni Panel Discussion & Working Class - The Pike Company, 1 Circle Street, Rochester, NY 14607 <ol style="list-style-type: none"> 1. ACE Alumni Panel Discussion 4:30-5:30pm 2. Continue working on designs with your team. 3. Practice presentations <p>Assignment: TBD</p> |
| Saturday, November 18 9:00 am – 10:30 am Mentors Optional | Meeting #10 – Field Trip to the UR Laser Lab - 250 E River Rd, Rochester, NY 14623 <ol style="list-style-type: none"> 1. Job Site Tour <p style="text-align: center;">EVERYONE MUST WEAR WORK BOOTS</p> |
| Tuesday, November 21 | NO CLASS FOR THANKSGIVING HOLIDAY |
| Tuesday, November 28 4:30 pm – 6:30 pm | Meeting #11 – Software Introduction - TBD <p style="text-align: center;">LAPTOPS ARE REQUIRED</p> <ol style="list-style-type: none"> 1. Introduction to Sketchup and Indesign. 2. Continue working on park design 3. Practice presentations. |
| Tuesday, December 5 4:30 pm – 6:30 pm | Meeting #12 – Lego Project Management Class – Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604 <ol style="list-style-type: none"> 1. Procore project management game. 2. Start laying out your final design and amenities. 3. Practice presentations. |

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| <p>Tuesday, December 12 4:30 pm - 6:30 pm</p> | <p>Meeting #13 – Working Class – Builders Exchange, 180 Linden Oaks # 100, Rochester, NY 14625</p> <ol style="list-style-type: none"> 1. Outline presentation boards and amenity boards. 2. Practice Presentations |
| <p>Saturday, December 16 8:00 am – 12:00 Mentors Optional</p> | <p>Meeting #14 – Heating & Sheet Metal Class – Local Union #46, 244 Paul Road, Rochester, New York 14624</p> <p style="text-align: center;">CLASS RESCHEDULED FOR MARCH 16th</p> |
| <p>Tuesday, December 19 4:30 pm - 6:30 pm</p> | <p>Meeting #15 – Working Class – Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604</p> <ol style="list-style-type: none"> 1. Final presentation boards and amenities boards due at the end of class. 2. Practice Presentations |
| <p>Tuesday, December 26</p> | <p>NO CLASS – WINTER HOLIDAY</p> |
| <p>Tuesday, January 2, 2024 4:30 pm – 6:30 pm</p> | <p>Meeting #16 – Presentation Skills – Builders Exchange, 180 Linden Oaks # 100, Rochester, NY 14625</p> <ol style="list-style-type: none"> 1. Guest Speaker, Coach David Beinetti 2. Practice Presentation Skills <p>Assignment: Outline your final presentation</p> |
| <p>Tuesday, January 9, 2024 4:30 pm – 6:30 pm</p> | <p>Meeting #17 – Project Presentation – City Hall, 30 Church St, Rochester, NY 14614</p> <ol style="list-style-type: none"> 1. Rochester Public Market presentation to local professionals – Parents are encouraged to attend. 2. Dress attire required. |
| <p>Saturday, January 13 8:00 am – 12:00 pm Mentors Optional</p> | <p>Meeting #18 – METAL STUD FRAMING COMPETITION - Carpenters Union Hall Training Facility, 21 Jetview Drive, Rochester, NY 14624</p> <p style="text-align: center;">WORK BOOTS ARE REQUIRED</p> |
| <p>Tuesday, January 16 4:30 pm – 6:30 pm</p> | <p>Meeting #19 – Design Build Project Introduction - Labella Associates, 300 State St #201, Rochester, NY 14614</p> <ol style="list-style-type: none"> 1. Introduce the design-build project and client. 2. Discuss plan view vs. elevation view vs. section view. 3. Work on individual designs <p>Assignment: Create (2) individual designs</p> |
| <p>Saturday, January 20 8:00 am – 12:00 pm Mentors Optional</p> | <p>Meeting #20 – Electrical Construction – NECA, 3540 Winton Place, Rochester, NY 14623</p> <p style="text-align: center;">WORK BOOTS ARE REQUIRED</p> |

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| | <ol style="list-style-type: none"> 1. Learn how to bend electrical conduit 2. Learn how to wire a switch and light fixture 3. Learn how to wire an electrical outlet |
| Tuesday, January 23 4:30 pm – 6:30 pm | <p>Meeting #21 – Structural Engineering - Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604</p> <ol style="list-style-type: none"> 1. Structural Engineering Presentation 2. Work in teams to select group design. <p>Assignment: Create a plan, section, and elevation view of your design.</p> |
| Tuesday, January 30 4:30 pm – 6:30 pm | <p>Meeting #22 – Working Class – CPL, 100 S Clinton Ave, Rochester, 14604 (7th floor)</p> <ol style="list-style-type: none"> 1. Work on design with your team. |
| Tuesday, February 6 4:30 pm – 6:30 pm | <p>Meeting #23 – Dam Engineering & Water Control - Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604</p> <ol style="list-style-type: none"> 1. Introduction to dam engineering and water control 2. Finalize your group’s drawings. 3. Final drawings are due at the end of class for client review and selection. |
| Saturday, February 10 8:00 am – 12:00 pm Mentors Optional | <p>Meeting #24 – Plumbing Class – Local #13, 1850 Mt Read Blvd North Service Rd, Rochester, NY 14615</p> <p style="text-align: center;">WORK BOOTS ARE REQUIRED</p> |
| Tuesday, February 13 4:30 pm – 7:30 pm | <p>Meeting #25 – Build Day #1 - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615</p> <p style="text-align: center;">WORK BOOTS ARE REQUIRED</p> <ol style="list-style-type: none"> 1. Safety Introduction 2. Begin building the project. |
| Tuesday, February 20 | NO CLASS – PRESIDENT’S WEEK VACATION |
| Tuesday, February 27 4:30 pm – 7:30 pm | <p>Meeting #26 – Build Day #2 - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615</p> <p style="text-align: center;">WORK BOOTS ARE REQUIRED</p> |
| Tuesday, March 5 4:30 pm – 7:30 pm | <p>Meeting #27 – Build Day #3 - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615</p> <p style="text-align: center;">WORK BOOTS ARE REQUIRED</p> |
| Saturday, March 9 8:00 am – 12:00 pm Mentors Optional | <p>Meeting #28 – Masonry Training – Local #3, 33 Saginaw Dr, Rochester, NY 14623</p> <p style="text-align: center;">WORK BOOTS ARE REQUIRED</p> |
| Tuesday, March 12 | <p>Meeting #29 - Build Day #4 - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615</p> |

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| 4:30 pm – 7:30 pm | WORK BOOTS ARE REQUIRED |
| Saturday, March 16 8:00 am – 12:00 Mentors Optional | Meeting #30 – Heating & Sheet Metal Class – Local Union #46, 244 Paul Road, Rochester, New York 14624 WORK BOOTS ARE REQUIRED |
| Friday, March 22 5:30pm – 8pm | Meeting #31 – Community Park & Playhouse Graduation – Memorial Art Gallery, 500 University Ave, Rochester, NY 14607 <ol style="list-style-type: none"> 1. Network with Professionals 2. Playhouse Presentations 3. Community Park Presentations 4. Scholarship Presentation |
| Saturday, March 23 8:00am – 12:30 pm Mentors Optional | Meeting #32 – C.P. Ward Field Trip – The Pike Company, 1 Circle Street, Rochester, New York 14607 WORK BOOTS ARE REQUIRED <ol style="list-style-type: none"> 1. Meet at the Pike office at 8 am 2. School bus departs at 8:05 am for C.P. Ward Inc. (100 West River Road, Scottsville, NY) 3. There will be 4 classes, which will rotate every 50 minutes <ol style="list-style-type: none"> a. Estimating b. Equipment maintenance: Diesel Mechanic c. G.P.S. Surveying d. Operating a piece of equipment 4. Depart C.P. Ward at 12:00 pm; arrive back at the Pike office at 12:30 pm |
| Saturday, April 13 8:00am – 10:00 am | Meeting #33 – Deliver the Project– Cracker Box Palace, 645- Shaker Rd, Alton, New York 14516 |