

ACE MENTOR PROGRAM OF ROCHESTER COMMUNITY PARK SYLLABUS 2025 – 2026



Date	Locations & Descriptions
Wednesday, September 10 6:00 pm – 7:00 pm Mentors Optional	Student Open House – Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604 <ul style="list-style-type: none"> Overview of program and expectations Parents welcome to attend
Friday, September 12	Student application deadline (www.acementor.org)
Friday, September 26	Notification sent to all applicants via email with syllabus
Tuesday, October 7 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"> Introduction Collect the Student’s shirt and shoe size Purpose of Civil Drawings
Tuesday, October 14 4:30 pm - 6:30 pm	Meeting #2 – Project Introduction & Scaling – The Highlands at Pittsford 100 Hahnemann Trail, Pittsford, NY 14534 <ol style="list-style-type: none"> Introduce project and requirements. – Pass out site plans. Interview Residents Site Walk Hand out Engineers Scales, triangles, and trace paper. Scaling <p>Assignment: Develop inspiration for your park.</p>
Tuesday, October 21 4:30 pm - 6:30 pm	Meeting #4 – Urban Planning & Site Design Process – Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604 <ol style="list-style-type: none"> Urban Planning Discuss Bubble Diagrams Start placing elements onto the plot plan. <p>Assignment: Develop a bubble diagram for your park.</p>
Saturday, October 25 8:00 am – 12:00 pm	Meeting #5 – Concrete Footing Competition - Pike Construction Services Warehouse, 936 East Main Street, Rochester, NY 14605 <p style="text-align: center;">DRESS WARM – EVERYONE MUST WEAR THEIR WORK BOOTS</p> <ol style="list-style-type: none"> Tool Box Talk Students will be divided into teams and partnered with the following companies: <ol style="list-style-type: none"> Pike Construction Services LeChase Construction Manning Squires Henning

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Tuesday, October 28 4:30 pm – 6:30 pm	Meeting #6 – LEGO Project Management Class – SWBR, 260 E Main St, Rochester, NY 14604 (4th floor). <ul style="list-style-type: none"> 1. Divide students into teams. 2. LEGO Project Management Exercise. Assignment: Work on your group bubble diagrams.
Tuesday, November 4 4:30 pm – 6:30 pm	Meeting #7 – Working Class #1 – Schuler Haas Electric, 240 Commerce Dr, Rochester, NY 14623 <ul style="list-style-type: none"> 1. Finalize your group bubble diagram 2. Draft site plan and elements. 3. Practice presentations Assignment: Work on your site plan/Project check ins with groups.
Saturday, November 8 11:00 am – 1:00 pm	Meeting #8 College Tour: (Students to pick 1 college tour) R. I. T. Tour - 2140 Bausch & Lomb Center, 60 Lomb Memorial Drive Alfred State College Tour – 10 Upper College Dr, Alfred, NY 14802
Tuesday, November 11 4:30 pm – 6:30 pm	Meeting #9 – Working Class #2 – CPL, 100 S Clinton Ave, Rochester, 14604 (7 th floor) <ul style="list-style-type: none"> 1. Continue working on designs with your team. 2. Progress check in. 3. Practice presentations
Tuesday, November 18 4:30 pm – 6:30 pm	Meeting #10 – Working Class #3 - Pike Construction Services, 1 Circle Street, Rochester, NY 14607 <ul style="list-style-type: none"> 1. Continue working on designs with your team. 2. Progress check in. 3. Practice presentations
Saturday, November 22 9:00 am – 10:30 am	Meeting #11 – Job Site Tour – TBD <ul style="list-style-type: none"> 1. Meet outside the trailer. 2. Job Site Tour 3. Contractor Panel Discussion <p style="text-align: center;">EVERYONE MUST WEAR WORK BOOTS</p>
Tuesday, November 25	NO CLASS - THANKSGIVING HOLIDAY
Thursday, December 4 4:30 pm – 6:30 pm	Meeting #12 – Bid Day Experience – LeChase Construction, 205 Indigo Creek Dr, Rochester, NY 14626 <ul style="list-style-type: none"> 1. Mock bid day experience
Tuesday, December 9 4:30 pm – 6:30 pm	Meeting #13 – Civil Engineering & Working Class #4 – Erdman Anthony, 145 Culver Rd #200, Rochester, NY 14620

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	<ol style="list-style-type: none"> 1. Civil Engineering Highlights 2. Progress check in. 3. Work on your PowerPoint. 4. Project Presentations. <p>Assignment: Finalize PowerPoint by December 15th and submit to RochesterNY@acementor.org</p>
Saturday, December 13 8:00 am – 12:00 pm	<p>Meeting #14 – 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, December 16 4:30 pm – 6:30 pm	<p>Meeting #15 – 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. Discuss framing drawings (required for final submission). 4. Work on individual designs <p>Assignment: Brainstorm design ideas. Finalize Community Park PowerPoint by December 15th and submit to RochesterNY@acementor.org</p>
Tuesday, December 23	NO CLASS – WINTER HOLIDAY
Tuesday, December 30	NO CLASS – WINTER HOLIDAY
Tuesday, January 6 4:00 pm – 6:00 pm	<p>Meeting #16 – Community Park Presentation - The Highlands at Pittsford, 100 Hahnemann Trail, Pittsford, NY 14534</p> <ol style="list-style-type: none"> 1. Final Presentation of the Park project to residents. 2. Family and friends are encouraged to join us! <p>Assignment: Create 2 initial designs for your Design-Build Project.</p>
Saturday, January 10 8:00 am – 12:00 pm	<p>Meeting #17 – 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>

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<p>Tuesday, January 13 4:30 pm – 6:30 pm</p>	<p>Meeting #18 – Special Inspections – Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604</p> <ol style="list-style-type: none"> 1. Meet with climbers, divers, and surveyors to learn about different special inspections. 2. Drones in construction. <p>Assignment: Create a plan, section, and elevation view of your design. One of which needs to be a framing plan.</p>
<p>Tuesday, January 20 4:30 pm – 6:30 pm</p>	<p>Meeting #19 – Working Class #1 - Stantec, 61 Commercial St #100, Rochester, NY 14614</p> <ol style="list-style-type: none"> 1. Work on your group’s plan, section, and elevation view. 2. Client Input <p>Assignment: Finalize Design & draft all framing plans.</p>
<p>Tuesday, January 27 4:30 pm – 6:30 pm</p>	<p>Meeting #20 – Working Class #2– Erdman Anthony, 145 Culver Rd #200, Rochester, NY 14620</p> <ol style="list-style-type: none"> 1. Draw framing details for elevation, plan, and section drawings. 2. Drawings due at the end of class.
<p>Saturday, January 31 8:00 am – 12:00 pm</p>	<p>Meeting #21 – Electrical Construction – JATC, 3540 Winton Place, Rochester, NY 14623</p> <p style="text-align: center;">WORK BOOTS ARE REQUIRED</p> <ol style="list-style-type: none"> 1. Learn how to bend electrical conduit 2. Learn how to wire a switch and light fixture <p>Learn how to wire an electrical outlet</p>
<p>Tuesday, February 3 4:30 pm – 6:30 pm</p>	<p>Meeting #22 – Working Class #3 - CPL, 100 S Clinton Ave, Rochester, 14604 (7th floor)</p> <ol style="list-style-type: none"> 1. Draw framing details for elevation, plan, and section drawings. 2. Drawings due at the end of class.
<p>Tuesday, February 10 4:30 pm – 6:30 pm</p>	<p>Meeting #23 – 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>Tuesday, February 17</p>	<p style="text-align: center;">NO CLASS – FEBRUARY BREAK</p>
<p>Tuesday, February 24 4:30 pm – 7:30 pm</p>	<p>Meeting #24 –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.

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Tuesday, March 3 4:30 pm – 7:30 pm	Meeting #25 – Build Day #2 - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615 WORK BOOTS ARE REQUIRED
Saturday, March 7 8:00 am – 12:00 pm	Meeting #26 – Masonry – Local #3, 33 Saginaw Dr., Rochester, NY 14623 WORK BOOTS ARE REQUIRED
Tuesday, March 10 4:30 pm – 7:30 pm	Meeting #27 – Build Day #3 - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615 WORK BOOTS ARE REQUIRED
Saturday, March 14 8:00 am – 12:00 pm	Meeting #28 – OPTIONAL Build Day - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615 WORK BOOTS ARE REQUIRED
Tuesday, March 17 4:30 pm – 7:30 pm	Meeting #29 - Build Day #4 - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615 WORK BOOTS ARE REQUIRED
Saturday, March 21 8:00 am – 12:00 pm	Meeting #30 – C.P. Ward Field Trip – Pike Construction Services, 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 noon; arrive back at the Pike office at 12:30 pm
Tuesday, March 24 4:30 pm – 6:30 pm	Meeting #31 – Practice Presentations – LeChase Construction, 205 Indigo Creek Drive, Rochester, NY 14626 <ol style="list-style-type: none"> 1. Presentation Skills Final Presentations Due at the end of class via email to RochesterNY@acementor.org .

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Friday, March 27 4:30pm – 7:30pm	Meeting #32 – Community Park & Playhouse Graduation – Memorial Art Gallery, 500 University Ave, Rochester, NY 14607 <ol style="list-style-type: none">1. Network with Professionals2. Playhouse Presentations3. Community Park Presentations4. Scholarship Presentation
Saturday, April 25 Rain Date: May 3 8:00am – 10:00am	Meeting #33 –Project Delivery – TBD WORK BOOTS ARE REQUIRED