

# ACE MENTOR PROGRAM OF ROCHESTER COMMUNITY PARK SYLLABUS 2025 – 2026



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Date	Locations & Descriptions
<b>Wednesday, September 10</b> 6:00 pm – 7:00 pm <b>Mentors Optional</b>	<b>Student Open House</b> – Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604 <ul style="list-style-type: none"> <li>• Overview of program and expectations</li> <li>• Parents welcome to attend</li> </ul>
<b>Friday, September 12</b>	<b>Student application deadline (www.acementor.org)</b>
<b>Friday, September 26</b>	<b>Notification sent to all applicants via email with syllabus</b>
<b>Tuesday, October 7</b> 4:30 pm - 6:30 pm	<b>Meeting #1 – Introductions and Civil Drawings</b> – Builders Exchange, 180 Linden Oaks # 100, Rochester, NY 14625 <ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Collect the Student's shirt and shoe size</li> <li>3. Purpose of Civil Drawings</li> </ol>
<b>Tuesday, October 14</b> 4:30 pm - 6:30 pm	<b>Meeting #2 – Project Introduction &amp; Scaling</b> – The Highlands at Pittsford 100 Hahnemann Trail, Pittsford, NY 14534 <ol style="list-style-type: none"> <li>1. Introduce project and requirements. – Pass out site plans.</li> <li>2. Interview Residents</li> <li>3. Site Walk</li> <li>4. Hand out Engineers Scales, triangles, and trace paper.</li> <li>5. Scaling</li> </ol> <p><b>Assignment:</b> Develop inspiration for your park.</p>
<b>Tuesday, October 21</b> 4:30 pm - 6:30 pm	<b>Meeting #4 – Urban Planning &amp; Site Design Process</b> – Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604 <ol style="list-style-type: none"> <li>1. Urban Planning</li> <li>2. Discuss Bubble Diagrams</li> <li>3. Start placing elements onto the plot plan.</li> </ol> <p><b>Assignment:</b> Develop a bubble diagram for your park.</p>
<b>Saturday, October 25</b> 8:00 am – 12:00 pm	<b>Meeting #5 – Concrete Footing Competition</b> - Pike Construction Services Warehouse, 936 East Main Street, Rochester, NY 14605 <p style="text-align: center;"><b>DRESS WARM – EVERYONE MUST WEAR THEIR WORK BOOTS</b></p> <ol style="list-style-type: none"> <li>1. Tool Box Talk</li> <li>2. Students will be divided into teams and partnered with the following companies: <ul style="list-style-type: none"> <li>a. Pike Construction Services</li> <li>b. LeChase Construction</li> <li>c. Manning Squires Henning</li> </ul> </li> </ol>

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

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	<ol style="list-style-type: none"> <li>1. Civil Engineering Highlights</li> <li>2. Progress check in.</li> <li>3. Work on your PowerPoint.</li> <li>4. Project Presentations.</li> </ol> <p><b>Assignment: Finalize PowerPoint by December 15th and submit to RochesterNY@acementor.org</b></p>
<b>Saturday, December 13</b> <b>8:00 am – 12:00 pm</b>	<b>Meeting #14 – Plumbing Class</b> – Local #13, 1850 Mt Read Blvd, North Service Rd, Rochester, NY 14615  <b>WORK BOOTS ARE REQUIRED</b>
<b>Tuesday, December 16</b> <b>4:30 pm - 6:30 pm</b>	<b>Meeting #15 – Design Build Project Introduction</b> - Labella Associates, 300 State St #201, Rochester, NY 14614 <ol style="list-style-type: none"> <li>1. Introduce the design-build project and client.</li> <li>2. Discuss plan view vs. elevation view vs. section view.</li> <li>3. Discuss framing drawings (required for final submission).</li> <li>4. Work on individual designs</li> </ol> <p><b>Assignment: Brainstorm design ideas. Finalize Community Park PowerPoint by December 15th and submit to RochesterNY@acementor.org</b></p>
<b>Tuesday, December 23</b>	<b>NO CLASS – WINTER HOLIDAY</b>
<b>Tuesday, December 30</b>	<b>NO CLASS – WINTER HOLIDAY</b>
<b>Tuesday, January 6</b> <b>4:00 pm – 6:00 pm</b>	<b>Meeting #16 – Community Park Presentation</b> - The Highlands at Pittsford, 100 Hahnemann Trail, Pittsford, NY 14534 <ol style="list-style-type: none"> <li>1. Final Presentation of the Park project to residents.</li> <li>2. Family and friends are encouraged to join us!</li> </ol> <p><b>Assignment: Create 2 initial designs for your Design-Build Project.</b></p>
<b>Saturday, January 10</b> <b>8:00 am – 12:00 pm</b>	<b>Meeting #17 – Metal Stud Framing Competition</b> - Carpenters Union Hall Training Facility, 21 Jetview Drive, Rochester, NY 14624  <b>WORK BOOTS ARE REQUIRED</b>

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<b>Tuesday, January 13</b> <b>4:30 pm – 6:30 pm</b>	<b>Meeting #18 – Special Inspections</b> – Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604 <ol style="list-style-type: none"> <li>1. Meet with climbers, divers, and surveyors to learn about different special inspections.</li> <li>2. Drones in construction.</li> </ol> <p><b>Assignment:</b> Create a plan, section, and elevation view of your design. One of which needs to be a framing plan.</p>
<b>Tuesday, January 20</b> <b>4:30 pm – 6:30 pm</b>	<b>Meeting #19 – Working Class #1</b> - Stantec, 61 Commercial St #100, Rochester, NY 14614 <ol style="list-style-type: none"> <li>1. Work on your group's plan, section, and elevation view.</li> <li>2. Client Input</li> </ol> <p><b>Assignment:</b> Finalize Design &amp; draft all framing plans.</p>
<b>Tuesday, January 27</b> <b>4:30 pm – 6:30 pm</b>	<b>Meeting #20 – Working Class #2</b> – Erdman Anthony, 145 Culver Rd #200, Rochester, NY 14620 <ol style="list-style-type: none"> <li>1. Draw framing details for elevation, plan, and section drawings.</li> <li>2. Drawings due at the end of class.</li> </ol>
<b>Saturday, January 31</b> <b>8:00 am – 12:00 pm</b>	<b>Meeting #21 – Electrical Construction</b> – JATC, 3540 Winton Place, Rochester, NY 14623 <p style="text-align: center;"><b>WORK BOOTS ARE REQUIRED</b></p> <ol style="list-style-type: none"> <li>1. Learn how to bend electrical conduit</li> <li>2. Learn how to wire a switch and light fixture</li> </ol> <p>Learn how to wire an electrical outlet</p>
<b>Tuesday, February 3</b> <b>4:30 pm – 6:30 pm</b>	<b>Meeting #22 – Working Class #3</b> - CPL, 100 S Clinton Ave, Rochester, 14604 (7th floor) <ol style="list-style-type: none"> <li>1. Draw framing details for elevation, plan, and section drawings.</li> <li>2. Drawings due at the end of class.</li> </ol>
<b>Tuesday, February 10</b> <b>4:30 pm – 6:30 pm</b>	<b>Meeting #23 – Structural Engineering</b> - Colliers Engineering & Design, 280 E Broad St #200, Rochester, NY 14604 <ol style="list-style-type: none"> <li>1. Structural Engineering Presentation</li> <li>2. Work in teams to select group design.</li> </ol>
<b>Tuesday, February 17</b>	<b>NO CLASS – FEBRUARY BREAK</b>
<b>Tuesday, February 24</b> <b>4:30 pm – 7:30 pm</b>	<b>Meeting #24 –Build Day #1</b> - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615 <p style="text-align: center;"><b>WORK BOOTS ARE REQUIRED</b></p> <ol style="list-style-type: none"> <li>1. Safety Introduction</li> <li>2. Begin building the project.</li> </ol>

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<b>Tuesday, March 3</b> <b>4:30 pm – 7:30 pm</b>	<b>Meeting #25 – Build Day #2</b> - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615  <b>WORK BOOTS ARE REQUIRED</b>
<b>Saturday, March 7</b> <b>8:00 am – 12:00 pm</b>	<b>Meeting #26 – Masonry</b> – Local #3, 33 Saginaw Dr., Rochester, NY 14623  <b>WORK BOOTS ARE REQUIRED</b>
<b>Tuesday, March 10</b> <b>4:30 pm – 7:30 pm</b>	<b>Meeting #27 – Build Day #3</b> - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615  <b>WORK BOOTS ARE REQUIRED</b>
<b>Saturday, March 14</b> <b>8:00 am – 12:00 pm</b>	<b>Meeting #28 – OPTIONAL Build Day</b> - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615  <b>WORK BOOTS ARE REQUIRED</b>
<b>Tuesday, March 17</b> <b>4:30 pm – 7:30 pm</b>	<b>Meeting #29 - Build Day #4</b> - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615  <b>WORK BOOTS ARE REQUIRED</b>
<b>Saturday, March 21</b> <b>8:00 am – 12:00 pm</b>	<b>Meeting #30 – C.P. Ward Field Trip</b> – Pike Construction Services, 1 Circle Street, Rochester, New York 14607  <b>WORK BOOTS ARE REQUIRED</b> <ol style="list-style-type: none"> <li>1. Meet at the Pike office at 8 am</li> <li>2. School bus departs at 8:05 am for C.P. Ward Inc. (100 West River Road, Scottsville, NY)</li> <li>3. There will be 4 classes, which will rotate every 50 minutes <ul style="list-style-type: none"> <li>a. Estimating</li> <li>b. Equipment maintenance: Diesel Mechanic</li> <li>c. G.P.S. Surveying</li> <li>d. Operating a piece of equipment</li> </ul> </li> <li>4. Depart C.P. Ward at noon; arrive back at the Pike office at 12:30 pm</li> </ol>
<b>Tuesday, March 24</b> <b>4:30 pm – 6:30 pm</b>	<b>Meeting #31 – Practice Presentations</b> – LeChase Construction, 205 Indigo Creek Drive, Rochester, NY 14626 <ol style="list-style-type: none"> <li>1. Presentation Skills</li> </ol> <p><b>Final Presentations Due at the end of class via email to <a href="mailto:RochesterNY@acementor.org">RochesterNY@acementor.org</a>.</b></p>

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<b>Friday, March 27</b> 4:30pm – 7:30pm	<b>Meeting #32 – Community Park &amp; Playhouse Graduation</b> – Memorial Art Gallery, 500 University Ave, Rochester, NY 14607  <ol style="list-style-type: none"><li>1. Network with Professionals</li><li>2. Playhouse Presentations</li><li>3. Community Park Presentations</li><li>4. Scholarship Presentation</li></ol>
<b>Saturday, April 25</b> Rain Date: May 3 8:00am – 10:00am	<b>Meeting #33 –Project Delivery</b> – TBD  <b>WORK BOOTS ARE REQUIRED</b>