The content of the ACT Instructional Mastery Math course provides candidates with the information necessary to provide effective ACT Math test preparation, identify and recommend test-taking strategies, and understand test structure and content. This course is highly focused on using a variety of techniques—applicable to different types and levels of student—to solve ACT math problems.

**Includes:**
- Structure of the Math ACT Test
- Skills, vocab, symbols, formulas, and real-life settings on the Math ACT
- Using a Calculator
- Practicing with Authentic Math ACT Tests
- Tips and Memorizations

**Why Take It?**
- Comprehensive review of math coaching techniques
- Tools for teaching students of all levels
- Understand how each aspect of ACT math can be integrated into the general math curriculum
- Analyze Math test items and discern student misconceptions

### ACT Math Professional Learning

#### Example Schedule | 2-Day Course

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<th>Day 1</th>
<th>Day 2</th>
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</thead>
<tbody>
<tr>
<td><strong>Time</strong></td>
<td><strong>Activity</strong></td>
</tr>
<tr>
<td>8:00 AM–9:00 AM</td>
<td>Introduction, Math Test Overview</td>
</tr>
<tr>
<td>9:00 AM–10:00 AM</td>
<td>ACT Math Data Analysis</td>
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<tr>
<td>10:00 AM–12:00 PM</td>
<td>Test-taking and Test Prep Strategies</td>
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<tr>
<td>12:00 PM–12:30 PM</td>
<td>Lunch Break</td>
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<td>12:30 PM–2:00 PM</td>
<td>Reporting Category: Number and Quantity</td>
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<td>2:00 PM–3:00 PM</td>
<td>ACT Math Section Practice Test</td>
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<td>3:00 PM–3:30 PM</td>
<td>Closing Activities</td>
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Topics Covered

**ACT Math Test Overview**
- Structure, Content, and Score Reporting of the ACT Math Test
- College and Career Readiness Standards (CCRS)

**All about the Math Test**
- Vocabulary on the ACT Math Test
- Symbols on the ACT Math Test
- Figures on the ACT Math Test
- Formulas and Rules on the ACT Math Test
- Real-life Settings on the ACT Math Test

**Test-Taking Strategies**
- Backsolving
- Using Numbers
- Problem Solving Tools
- Test Items with Multiple Methods
- Test Items with Graphs
- Test Items with Modeling

**Student Support and Preparation**
- Motivating Students
- Providing Social and Emotional Supports