Did you know...

584,000 new maintenance technicians will be needed to maintain the world fleet over the next 20 years. 
Source: The 2014 Boeing Pilot & Technician Outlook

$55,980 – median salary of an aircraft mechanic
Source: Bureau of Labor Statistics

Rock Valley College has a state-of-the-art Aviation Maintenance Educational Facility, newly opened at Chicago Rockford International Airport.

All required 300-400 courses in NIU’s Aviation Management Technology program are offered online.

See back panel for more specific program requirements >>
### Aviation Technology Pathway Model

The table below shows the courses that, if taken in this sequence, should result in completion of the program in the least amount of time while evenly distributing the course load. Some courses are prerequisites for the courses that follow in the sequence and are subject to change. Please consult your institution’s advising staff for the latest program requirements when registering for courses.

Missing coursework will hinder a student’s progress in the program. To progress seamlessly from one institution to the next, students should obtain a degree from the first institution. All plans of study should meet local and state high school graduation requirements, general education requirements, and prerequisites for advanced courses.

To read this table - Each column represents a single grade year or semester as noted. Summer coursework may be necessary for some students. All information was taken from online materials published by each institution on its website in February, 2015.

<table>
<thead>
<tr>
<th>EMITT Academy Transportation Technology</th>
<th>RVC - Aviation Maintenance Technology</th>
<th>NIU - Bachelor of Science, Aviation Management Technology</th>
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<tr>
<td>Grade 9</td>
<td>Grade 10</td>
<td>Grade 11</td>
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<tr>
<td><strong>Freshman Seminar</strong></td>
<td>Orientation to Transportation</td>
<td>Automotive Technology I</td>
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<td><strong>Physical Education/Health</strong></td>
<td>Physical Education</td>
<td>Physical Education</td>
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<tr>
<td><strong>Math (the most rigorous course possible)</strong></td>
<td>Math (the most rigorous course possible)</td>
<td>American Government</td>
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<tr>
<td><strong>Biology</strong></td>
<td>Physical Science</td>
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<tr>
<td><strong>Social Studies</strong></td>
<td>US History</td>
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</tbody>
</table>

**Other Notes:**
- AVM 101, 103 and 105 must be taken concurrently
- AVM 249, 249 and 250 must be taken concurrently
- Other General Education required for degree

**Technology Electives (Choose 2):**
- Green Technologies (TECH 305) - MATH 155 and CHEM 110 prereq
- Industrial Training and Evaluation (TECH 402) - MATH 155 and TECH 265 prereq
- Work Simplification (TECH 442) - MATH 155 and TECH 265 prereq
- Engineering Economy (TECH 443) - MATH 155 prereq
- Production Control Systems (TECH 444) - MATH 155 and TECH 265 prereq
- Manufacturing Distribution Applications (TECH 492) - MATH 155 and TECH 265 prereq
- Workshop in Technology (TECH 497) - MATH 155 and TECH 265 prereq

**For more information about Rockford Public Schools – EMITT Academy Transportation Technology program, contact:**
Dave Carson, Executive Director, College and Career Readiness
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**For more information about the Rock Valley College Aviation Maintenance Technology program, contact:**
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**For more information about NIU's Bachelor of Science, Aviation Management Technology Program, contact:**
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