The Summer Science Academy has three distinct programs designed for middle school and high school students who have expressed interest in the STEM fields. The programs are designed to expose locally based students to the subjects of Biology, Chemistry, and Algebra, prior to taking them in school. Each program lasts three weeks and serves between 60-80 participants.

### Eligibility for 2019:

<table>
<thead>
<tr>
<th>Program</th>
<th>Dates</th>
<th>Eligibility</th>
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<tbody>
<tr>
<td>MATHStar</td>
<td>June 2-21</td>
<td>Enrolling in Algebra I Fall 2019</td>
</tr>
<tr>
<td>BIOStar</td>
<td>June 9-28</td>
<td>Enrolling in Biology Fall 2019</td>
</tr>
<tr>
<td>CHEMStar</td>
<td>July 1-19</td>
<td>Enrolling in Chemistry Fall 2019</td>
</tr>
</tbody>
</table>

### Program Cost:
- BIOStar and CHEMStar: **$330** per student
- MATHStar: **$430** per student
- Need-based scholarship applications are available [here](#) and due **April 19, 2019**

### Application Requirements:
- Completed Online Summer Program Application
- Copy of recent report card
- Application Deadline: **April 19, 2019**
  
  *All items must be received by the deadline*

### Accepted Students Requirements: (Following an acceptance letter)
- Submit the **$100 non-refundable** program deposit by **May 1, 2019**. Remaining balance due **May 15, 2019**.
- Submit signed acceptance packet, health consent, and final payment by deadline.

### Program Descriptions:

**BIOStar**: is a hands-on approach to high school biology. Students will cover the following topics and more: Statistics, Graphs, Organic Molecules of Life, The Cell, Energy of Life, Energy Procurement: Photosynthesis and Cellular Respiration, Biological Terminology, Medical Terminology.
**CHEMStar**: is a problem-solving and inquiry-based approach to high school chemistry. Students will cover the following topics and more: Scientific Notation, Matter and Its Properties, Atoms, Formulas, and Equations, Ions and Equations, Electronic Structure and the Periodic Table, Graphing, Chemical Reactions and Acids and Bases (pH scale).

**MATHStar**: is unique and action-based approach to Algebra I. Students will cover the following topics and more: Variables and Algebraic Expressions, Introduction to Equations, Advanced Work with Equations, Word Problems (Part I and II), Introduction to Inequalities, Intervals and Absolute Value, Polynomials, Graphing (Part I and II).

**Materials**: All summer program participants will be provided with a T-shirt and all necessary academic materials. Students may bring their own calculators.

**Additional information**: For any questions or concerns, please contact the Summer Bridge Coordinator by email at summerprograms@xula.edu or over the phone at 504-250-5264