PROGRAM OVERVIEW

The Associate of Science for Transfer Degree in Mathematics will provide students interested in Mathematics, or any of the related fields such as Engineering, Physics or Statistics, with a strong academic background in mathematics. The courses taken by students in the pursuit of this degree will help develop students' ability to approach and solve problems in pure or applied mathematics where this is required.

By successfully completing the Associate in Science in Mathematics for Transfer degree requirements at Los Angeles Trade Technical College, students are prepared to transfer to a four-year Mathematics program. Completion of coursework in single and multivariable Calculus, Linear Algebra, Differential Equations and Statistics will meet the lower division mathematics requirements of the California State University. CSU is required to “guarantee admission with junior status to any community college student who meets all of the requirements”. This degree is intended for students who are interested in transferring to a four-year university and majoring in Mathematics, Engineering, Physics and Statistics.

USEFUL LINKS

LATTC Catalog
http://college.lattc.edu/catalog/

LATTC Financial Aid Office
http://college.lattc.edu/financialaid/

LATTC Counseling Department
http://college.lattc.edu/counseling/

Graduation Plan A
http://college.lattc.edu/catalog

Graduation Plan B
http://college.lattc.edu/catalog

Mathematics Department
http://college.lattc.edu/math/

The Associate in Science in Mathematics for Transfer degree requirements are as following.

1. Minimum of 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework.
3. Completion of a minimum of 22 semester units from the list of required and Major Electives in the mathematics major with a grade of C or better or a “P” if the course is taken on a “pass-no pass” basis (title 5 § 55063).
4. Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth) or the Intersegment General Education Transfer Curriculum (IGETC) pattern.

PROGRAM LEARNING OUTCOMES (PLOs)

Upon completion of the Degree program, students are able to:

• Apply the techniques of both differential calculus and integral calculus to problems involving functions of both one and several variables.
• Approach and solve problems in pure and applied mathematics where this is required.
• Use calculus to solve applications related to mathematics, engineering, physics, and statistics.

MAJOR REQUIREMENTS

Major Units: 21-22

Requirements for the Associate in Science Transfer degree in Mathematics may be met by completing 15 units of Required Courses and 6-7 units of Major Electives with a “C” or better along with general education courses meeting IGETC and CSU Requirements.

REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Completed Semester/Yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 265</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>MATH 266</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>MATH 267</td>
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</tr>
</tbody>
</table>

MAJOR ELECTIVES

Select at least 7 units from the courses below

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 270</td>
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<td></td>
</tr>
<tr>
<td>MATH 275</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 227</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

You can enroll in these classes by logging on to the Student Information System at http://college.lattc.edu/sic/sis/

For additional information consult a LATTC college counselor.