# MATHEMATICS (A.S.)

## A.S., MATHEMATICS REQUIREMENTS (64 CREDITS):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>CPS 200</td>
<td>Making the Transition to College: Strategies for Degree Completion</td>
<td>3</td>
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**Magis Core Foundations:**

Select all of the following Foundations components:

- Contemporary Composition (3)
- Critical Issues in Human Inquiry (3)
- Oral Communication (1)
- Philosophical Ideas (3)
- The Christian Tradition (3)

**Magis Core Explorations:**

- Ethics **Required**

Select 5 credits from the following:

- Understanding Natural Science (2)
- Understanding Social Science (3)
- Global Perspectives in History (3)
- Literature (3)
- The Biblical Tradition (3)

**Major Requirements - Mathematics (26 Credits)**

- MTH 245  Calculus I  4
- MTH 246  Calculus II  4
- MTH 310  Introduction to Abstract Mathematics  3
- MTH 347  Calculus III  3
- MTH 350  Applied Linear Algebra and Differential Equations  3
- MTH 360  Elementary Probability and Statistics  3
- MTH 429  Advanced Linear Algebra  3
  or MTH 445  Advanced Differential Equations

Three additional upper-division credits arranged with department approval  3

**Electives**

Select Electives to reach 64 credits. **1**

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**Total Credits**  64