# 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>
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**Magis Core Foundations:** 15

Select all of the following Foundations components:

- Contemporary Composition (3)
- Critical Issues in Human Inquiry (3)
- Oral Communication (1)
- Mathematical Reasoning (2)
- Philosophical Ideas (3)
- The Christian Tradition (3)

**Magis Core Explorations** 5

Select 5 credits from the following. Ethics is required.

- Understanding Natural Science (2)
- Understanding Social Science (3)
- Global Perspectives in History (3)
- Literature (3)
- Ethics (3) *(Required)*
  - 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  3

Three additional upper-division credits arranged with department approval.

**Electives** 15

Select Electives to reach 64 credits. ¹

**Total Credits** 64

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¹ A minimum of 64 credit hours is required for the associate degree. The number of Electives credits needed is dependent on the requirements for the major and courses selected for Explorations.