## 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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<tbody>
<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: 13

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: 3

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
- MTH 445  Advanced Differential Equations

Three additional upper-division credits arranged with department approval 3

### Electives 14

Select Electives to reach 64 credits

### Total Credits 64