OTHER CURRICULUM OPTIONS
Thebarton Senior College offers a wide variety of SACE Stage 1 and 2 subjects during the day and early evening, as well as nationally recognised vocational certificates.

Please see our website for more information:
www.tsc.sa.edu.au

FURTHER INFORMATION AND HOW TO ENROL
If you are interested in enrolling in our Mathematics Academy, please call the College on 8159 3100, email mathsacademy@thebartonsc.sa.edu.au or visit www.tsc.sa.edu.au/mathematics-academy to complete a course enquiry form.

40 Ashley Street, Torrensville South Australia 5031
Phone: 08 8159 3100 Fax: 08 8159 3199
Email: info@tsc.sa.edu.au
www.tsc.sa.edu.au

RTO Code: 40117
CRICOS Provider: 00018A
Revised: July 2019
THEBARTON SENIOR COLLEGE

Thebarton Senior College is a specialist senior secondary school funded by the SA Government, located just four kilometres west of the city.

The college offers quality South Australian Certificate of Education (SACE) and Vocational Education and Training (VET) certificate courses. Thebarton Senior College is also a Registered Training Organisation (RTO), accredited to deliver nationally recognised VET qualifications.

MATHEMATICS ACADEMY

Mathematics Academy at SACE Stage 1 is a one or two-year program for students excited about mathematics and its applications. It is designed for students intending to study SACE Stage 2 Mathematical Methods, Specialist Mathematics and Physics. Students can enter the Mathematics Academy in either Year 10 or Year 11.

Delivery of the curriculum is via explicit teaching, individual and collaborative learning. Mathematics Academy connects Australian Curriculum Mathematics and Science in Year 10, and SACE Stage 1 Mathematics and Physics in Year 11. Students are in a combined Year 10 and Year 11 class to broaden their learning experiences and develop their personal and social capabilities, meta-cognitive skills and creative and critical thinking. The two-year teaching program ensures that students are able to learn mathematics content deeply and experience a variety of mathematical applications.

MATHEMATICS ACADEMY CURRICULUM

YEAR 10 – AUSTRALIAN CURRICULUM

MATHEMATICS AND SCIENCE

Students will learn content from Australian Curriculum Year 10 and 10A Mathematics and Science (Physical Science, Earth and Environment, Chemistry and Biology) in an integrated and collaborative environment. They will develop the SACE capabilities and find connections to future studies and STEM professions. Students will be assessed for 60 SACE credits at Stage 1:

- Stage 1 Scientific Studies – 20 Credits
- Stage 1 General Mathematics – 20 Credits
- and 20 Credits from Recognition of Community Learning, Community Studies or Integrated Learning

Other SACE subjects can be added to this program based on student interests.

YEAR 11 – SACE MATHEMATICS AND PHYSICS

Students will further explore the wonder of mathematics and physics and connections to the world around us. Students will be assessed for 60 SACE credits at Stage 1:

- Stage 1 Mathematical Methods A, B, C and Stage 1 Specialist Mathematics – 40 Credits
- Stage 1 Physics - 20 Credits

MATHEMATICS ACADEMY EXTRA-CURRICULAR (MAX)

MAX activities, excursions, challenges and projects are integral to the Mathematics Academy program and contribute to a range of assessment tasks. MAX plays a key role in connecting students with mathematical, physical sciences, and engineering professionals and manufacturing, space, defence and other engineering industries.

MATHEMATICS ACADEMY PATHWAYS

<table>
<thead>
<tr>
<th>Year 10 Semester 1</th>
<th>Year 10 Semester 2</th>
<th>SACE Stage 1 Semester 1</th>
<th>SACE Stage 1 Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics Unit 1 (General Mathematics) 10 Credits</td>
<td>Mathematics Unit 3 (General Mathematics) 10 Credits</td>
<td>Mathematical Methods A 10 Credits</td>
<td>Mathematical Methods C 10 Credits</td>
</tr>
<tr>
<td>Mathematics Unit 2 (Integrated Learning) 10 Credits</td>
<td>Mathematics Unit 4 (Community Studies) 10 Credits</td>
<td>Mathematical Methods B 10 Credits</td>
<td>Specialist Mathematics 10 Credits</td>
</tr>
<tr>
<td>Science Unit 1 (Scientific Studies) 10 Credits</td>
<td>Science Unit 2 (Scientific Studies) 10 Credits</td>
<td>Physics A 10 Credits</td>
<td>Physics B 10 Credits</td>
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<tr>
<td>* Plus 20 Credits elective subjects or Special Interest Academy</td>
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