



Year 11 and 12 Mathematical Pathways

Option	Year 11 Mathematics Subjects	Year 10 Mathematics program	The type of Mathematics student you should be to choose this option	What Mathematic subject(s) does this option lead to in year 12?
0	No Mathematics	Core/Essential	<ul style="list-style-type: none"> ▪ struggled with basic Mathematical concepts ▪ don't enjoy studying Mathematics ▪ don't need VCE Mathematics for your intended career 	No Mathematics
1.	General Mathematics Units 1 & 2	Core/Essential	<ul style="list-style-type: none"> ▪ satisfactorily completed year 10 Core/Essential ▪ not very confident studying more complex Mathematics ▪ enjoy studying Mathematics ▪ VCE Mathematics is required for your intended career 	Further Mathematics Units 3 & 4
2.	Mathematical Methods Units 1 & 2	Core Plus or Essential or Essential Plus	<ul style="list-style-type: none"> ▪ successfully completed year 10 Core Plus/Essential/Essential Plus or similar ▪ obtained good results in your assessment tasks ▪ have sound Mathematical skills and knowledge ▪ organised and regularly complete homework ▪ enjoy studying Mathematics ▪ Mathematical Methods Units 3 & 4 is a prerequisite for your intended tertiary course 	<ul style="list-style-type: none"> • Mathematical Methods Units 3 & 4 OR • Further Mathematics Units 3 & 4 OR • Mathematical Methods Unit2 3 & 4 AND Further Mathematics Units 3 &4 OR • Mathematical Methods Units 3 & 4 AND Specialist Mathematics Units 3 & 4 (Recommended that Specialist Mathematics Units 1 and 2 is completed in year 11)

Option	Year 11 Mathematics Subjects	Year 10 Mathematics program	The type of Mathematics student you should be to choose this option	What Mathematic subject(s) does this option lead to in year 12?
3.	Mathematical Methods Units 1 & 2 AND Specialist Mathematics Units 1 & 2 (Enrichment subject)	Core Plus or Essential Plus	<ul style="list-style-type: none"> ▪ successfully completed year 10 Core Plus/Essential/Essential Plus or similar ▪ obtained very good results in your assessment tasks ▪ have competent Mathematical skills and knowledge ▪ organised and regularly complete homework ▪ really enjoy studying Mathematics ▪ Mathematical Methods Units 3 & 4 is a prerequisite for your intended tertiary course 	<ul style="list-style-type: none"> • Mathematical Methods Units 3 & 4 OR • Further Mathematics Units 3 & 4 OR • Mathematical Methods Units 3 & 4 AND Further Mathematics Units 3 & 4 OR • Mathematical Methods Units 3 & 4 AND Specialist Mathematics Units 3 & 4
4.	Mathematical Methods Units 1 & 2 AND Further Mathematics Units 3 & 4 <i># As Further Mathematics Units 3 & 4 is a year 12 subject you will need to complete an application form. This is obtained from your year 10 teacher.</i>	Core Plus or Essential Plus	<ul style="list-style-type: none"> ▪ successfully completed year 10 Core Plus/Essential Plus or similar ▪ obtained outstanding results in all your assessment tasks ▪ learn new and complex Mathematical skills and knowledge easily ▪ organised and regularly complete homework ▪ really enjoy studying Mathematics ▪ Mathematical Methods Units 3 & 4 &/or Specialist Mathematics Units 3 & 4 is a prerequisite for your intended tertiary course 	<ul style="list-style-type: none"> • Mathematical Methods Units 3 & 4 OR • Mathematical Methods Units 3 & 4 AND Specialist Mathematics Units 3 & 4 (Recommended that Specialist Mathematics Units 1 and 2 is completed in year 11)
<p>➤ All students must have a TI Nspire CX CAS calculator to study Mathematics in VCE.</p> <p>➤ Any student in Year 11 selecting either Specialist Mathematics(Unit 1&2) or Further Mathematics(Unit 3&4) must select Mathematical Methods (Unit 1&2).</p> <p>➤ Students wishing to choose Specialist Mathematics Units 3 & 4 in year 12, it is recommended to complete Specialist Mathematics Units 1 & 2.</p> <p>➤ In year 12 if you are studying Specialist Mathematics Units 3 & 4 you must also choose Mathematical Methods Units 3 & 4</p>				