

# Master of Mathematical Sciences

| Course        |                          | Units | Status |
|---------------|--------------------------|-------|--------|
| <b>Year 1</b> |                          |       |        |
| S1            | Group A, B or C Elective | 3     |        |
| S1            | Group A, B or C Elective | 3     |        |
| S1            | Group B or C Elective    | 3     |        |
| S1            | Group B or C Elective    | 3     |        |
| S2            | Group A, B or C Elective | 3     |        |
| S2            | Group B or C Elective    | 3     |        |
| S2            | Group C Elective         | 3     |        |
| S2            | Group C Elective         | 3     |        |
| <b>Year 2</b> |                          |       |        |
| S1            | Group C Elective         | 3     |        |
| S1            | Group C Elective         | 3     |        |
| S1            | Project Part 1 Course    | 0     |        |
| S1            | Project Part 2 Course    | 0     |        |
| S2            | Group C Elective         | 3     |        |
| S2            | Project Part 3 Course    | 0     |        |
| S2            | Project Part 4 Course    | 15    |        |

|                             |                            |                                |                                  |
|-----------------------------|----------------------------|--------------------------------|----------------------------------|
| Elective Course (see below) |                            |                                |                                  |
| <b>CM</b> = Completed       | <b>CR</b> = Credit Awarded | <b>EN</b> = Currently Enrolled | <b>ENROL</b> = Add to Enrolments |

\* Students may also complete the Project by completing Part 1, 2 & 3 in Semester 1, Year 2, followed by Part 4 in Semester 2.

| Project Part 1 Table |   |    |  |
|----------------------|---|----|--|
| S1 S2                | <a href="#">APP MTH 7200A Masters Project in Applied Mathematics A - Part 1</a> | 0  |  |
| S1 S2                | <a href="#">MATHS 7200A Masters Project in Mathematical Sciences A - Part 1</a> | 0  |  |
| S1 S2                | <a href="#">PURE MTH 7200A Masters Project in Pure Mathematics A - Part 1</a>   | 0  |  |
| S1 S2                | <a href="#">STATS 7200A Masters Project in Statistics A - Part 1</a>            | 0  |  |
| Project Part 2 Table |   |    |  |
| S1 S2                | <a href="#">APP MTH 7200B Masters Project in Applied Mathematics B - Part 2</a> | 0  |  |
| S1 S2                | <a href="#">MATHS 7200B Masters Project in Mathematical Sciences B - Part 2</a> | 0  |  |
| S1 S2                | <a href="#">PURE MTH 7200B Masters Project in Pure Mathematics B - Part 2</a>   | 0  |  |
| S1 S2                | <a href="#">STATS 7200B Masters Project in Statistics B - Part 2</a>            | 0  |  |
| Project Part 3 Table |   |    |  |
| S1 S2                | <a href="#">APP MTH 7200C Masters Project in Applied Mathematics C - Part 3</a> | 0  |  |
| S1 S2                | <a href="#">MATHS 7200C Masters Project in Mathematical Sciences C - Part 3</a> | 0  |  |
| S1 S2                | <a href="#">PURE MTH 7200C Masters Project in Pure Mathematics C - Part 3</a>   | 0  |  |
| S1 S2                | <a href="#">STATS 7200C Masters Project in Statistics C - Part 3</a>            | 0  |  |
| Project Part 4 Table |   |    |  |
| S1 S2                | <a href="#">APP MTH 7200D Masters Project in Applied Mathematics D - Part 4</a> | 15 |  |
| S1 S2                | <a href="#">MATHS 7200D Masters Project in Mathematical Sciences D - Part 4</a> | 15 |  |
| S1 S2                | <a href="#">PURE MTH 7200D Masters Project in Pure Mathematics D - Part 4</a>   | 15 |  |
| S1 S2                | <a href="#">STATS 7200D Masters Project in Statistics D - Part 4</a>            | 15 |  |

## Links and Further Information

- [Course Planner](#) Information about University courses, including availability, class times, restrictions and prerequisites.
- [University Calendar](#) All academic program rules.
- **Contact Ask ECMS:** [askecms@adelaide.edu.au](mailto:askecms@adelaide.edu.au) • +61 8 8313 4148 • [www.ecms.adelaide.edu.au](http://www.ecms.adelaide.edu.au)

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| Available                     | Course  | Units | Status |
|-------------------------------|---|-------|--------|
| <b>Group A Elective Table</b> |   |       |        |
| N/A                           | <a href="#">APP MTH 7105 Optimisation and Operations Research</a>           | 3     |        |
| S1                            | <a href="#">MATHS 7101 Multivariable and Complex Calculus</a>               | 3     |        |
| S1                            | <a href="#">MATHS 7102 Differential Equations</a>                           | 3     |        |
| S1                            | <a href="#">MATHS 7103 Probability &amp; Statistics</a>                     | 3     |        |
| S1                            | <a href="#">PURE MTH 7106 Algebra</a>                                       | 3     |        |
| S2                            | <a href="#">MATHS 7100 Real Analysis</a>                                    | 3     |        |
| S2                            | <a href="#">MATHS 7104 Numerical Methods</a>                                | 3     |        |
| S2                            | <a href="#">STATS 7107 Statistical Modelling and Inference</a>              | 3     |        |
| <b>Group B Elective Table</b> |   |       |        |
| N/A                           | <a href="#">APP MTH 7124 Decision Science PG</a>                            | 3     |        |
| N/A                           | <a href="#">PURE MTH 7071 Integration and Analysis</a>                      | 3     |        |
| N/A                           | <a href="#">PURE MTH 7073 Finite Geometry</a>                               | 3     |        |
| N/A                           | <a href="#">PURE MTH 7108 Geometry of Surfaces</a>                          | 3     |        |
| S1                            | <a href="#">APP MTH 7035 Modelling with Ordinary Differential Equations</a> | 3     |        |
| S1                            | <a href="#">APP MTH 7065 Applied Probability</a>                            | 3     |        |
| S1                            | <a href="#">APP MTH 7072 Optimisation</a>                                   | 3     |        |
| S1                            | <a href="#">APP MTH 7075 Fluid Mechanics</a>                                | 3     |        |
| S1                            | <a href="#">PURE MTH 7054 Complex Analysis</a>                              | 3     |        |
| S1                            | <a href="#">PURE MTH 7055 Topology and Analysis</a>                         | 3     |        |
| S1                            | <a href="#">PURE MTH 7059 Groups and Rings</a>                              | 3     |        |
| S1                            | <a href="#">STATS 7054 Statistical Modelling</a>                            | 3     |        |
| S1                            | <a href="#">STATS 7059 Mathematical Statistics</a>                          | 3     |        |
| S2                            | <a href="#">APP MTH 7056 Random Processes</a>                               | 3     |        |
| S2                            | <a href="#">APP MTH 7107 Partial Differential Equations and Waves</a>       | 3     |        |
| S2                            | <a href="#">MATHS 7026 Cryptography PG</a>                                  | 3     |        |
| S2                            | <a href="#">MATHS 7070 Financial Modelling: Tools &amp; Techniques</a>      | 3     |        |
| S2                            | <a href="#">PURE MTH 7072 Fields and Modules</a>                            | 3     |        |
| S2                            | <a href="#">STATS 7022 Data Science PG</a>                                  | 3     |        |
| S2                            | <a href="#">STATS 7023 Computational Bayesian Statistics III</a>            | 3     |        |
| <b>Group C Elective Table</b> |   |       |        |
| N/A                           | <a href="#">APP MTH 7044 Applied Mathematics Topic C</a>                    | 3     |        |
| N/A                           | <a href="#">PURE MTH 7047 Pure Mathematics Topic C</a>                      | 3     |        |
| N/A                           | <a href="#">PURE MTH 7067 Pure Mathematics Topic F</a>                      | 3     |        |
| N/A                           | <a href="#">STATS 7014 Statistics Topic B</a>                               | 3     |        |
| N/A                           | <a href="#">STATS 7016 Statistics Topic C</a>                               | 3     |        |
| N/A                           | <a href="#">STATS 7069 Statistics Topic E</a>                               | 3     |        |
| N/A                           | <a href="#">STATS 7070 Statistics Topic F</a>                               | 3     |        |
| S1                            | <a href="#">APP MTH 7045 Applied Mathematics Topic B</a>                    | 3     |        |
| S1                            | <a href="#">APP MTH 7048 Applied Mathematics Topic A</a>                    | 3     |        |
| S1                            | <a href="#">PURE MTH 7002 Pure Mathematics Topic B</a>                      | 3     |        |
| S1                            | <a href="#">PURE MTH 7038 Pure Mathematics Topic A</a>                      | 3     |        |
| S1                            | <a href="#">STATS 7004 Statistics Topic A</a>                               | 3     |        |
| S2                            | <a href="#">APP MTH 7049 Applied Mathematics Topic D</a>                    | 3     |        |
| S2                            | <a href="#">APP MTH 7087 Applied Mathematics Topic E</a>                    | 3     |        |
| S2                            | <a href="#">APP MTH 7088 Applied Mathematics Topic F</a>                    | 3     |        |
| S2                            | <a href="#">PURE MTH 7023 Pure Mathematics Topic D</a>                      | 3     |        |
| S2                            | <a href="#">PURE MTH 7066 Pure Mathematics Topic E</a>                      | 3     |        |
| S2                            | <a href="#">STATS 7008 Statistics Topic D</a>                               | 3     |        |