

Graduate Diploma in Machine Learning

| Course | Units | Status |
|---------------|---|--------|
| Year 1 | | |
| S2 | COMP SCI 7210 Foundations of Computer Science - Python A | 3 |
| S2 | COMP SCI 7211 Foundations of Computer Science - Python B | 3 |
| S2 | COMP SCI 7212 Human and Ethical Factors in Computer Science | 3 |
| S2 | Specialisation Elective | 3 |
| S1 | COMP SCI 7317 Using Machine Learning Tools PG | 3 |
| S1 | MATHS 7027 Mathematical Foundations of Data Science | 3 |
| S1 | Machine Learning Elective | 3 |
| S1 | Specified Elective | 3 |

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

Specialisations

Technical Specialisation - COMP SCI 7318 Deep Learning Fundamentals.

Applied Specialisation - POLIS 7024 Political Institutions & Policy Making.

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 • +61 8 8313 4148 • www.ecms.adelaide.edu.au

| Specified Elective Table | | | |
|---------------------------------|--|---|--|
| S1 | COMP SCI 7059 Artificial Intelligence | 3 | |
| S2 | COMP SCI 7314 Introduction to Statistical Machine Learning | 3 | |
| Specialisation Elective Table | | | |
| S2 | COMP SCI 7318 Deep Learning Fundamentals | 3 | |
| S2 | POLIS 7024 Political Institutions and Policy-Making | 3 | |
| Machine Learning Elective Table | | | |
| N/A | PHIL 7003 Cognitive Science: Minds, Brains and Computers | 3 | |
| S1 | COMP SCI 7039 Computer Networks & Applications | 3 | |
| S1 | COMP SCI 7059 Artificial Intelligence | 3 | |
| S1 | COMP SCI 7088 Systems Programming | 3 | |
| S1 | COMP SCI 7305 Parallel and Distributed Computing | 3 | |
| S1 | COMP SCI 7306 Mining Big Data | 3 | |
| S1 | COMP SCI 7308 Cybersecurity Fundamentals | 3 | |
| S1 | COMP SCI 7315 Computer Vision | 3 | |
| S1 | COMP SCI 7407 Advanced Algorithms | 3 | |
| S1 | COMP SCI 7417 Applied Natural Language Processing | 3 | |
| S1 | COMP SCI 7419 Deep Learning: Image Processing | 3 | |
| S1 | MATHS 7103 Probability & Statistics | 3 | |
| S1 S2 | COMP SCI 7007 Specialised Programming | 3 | |
| S1 S2 | COMP SCI 7418 Advanced Topics in Machine Learning | 3 | |
| S2 | COMP SCI 7064 Operating Systems | 3 | |
| S2 | COMP SCI 7076 Distributed Systems | 3 | |
| S2 | COMP SCI 7307 Secure Programming | 3 | |
| S2 | COMP SCI 7416 Applied Machine Learning | 3 | |