## **62530 Master of Data Science – 1.5-year study plan, Sem 1 start**

**5 x Core Units**

**7 x Option Units (see notes on Page 3)**

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| **Prior Studies** | | **4 x Conversion Units (24 points)** | | | |  |
| **YEAR 1** | SEM 1 | **CITS5508: Machine Learning** pre-req: CITS1401 | **STAT4064: Applied Predictive  Modelling**  pre-req: STAT2403 OR (STAT2401 & STAT2402) | **Level 5 ICT Option A Unit**  (e.g., CITS5503: Cloud Computing) pre-req: CITS1401 and CITS4009 OR (CITS2002 or CITS2005 or CITS2200 or CITS2402) | **Data Analysis Option B Unit**  (e.g., CITS4404: AI & Adaptive Systems) pre-req: CITS1401 and CITS4009 OR (CITS2002 or CITS2005 or CITS2200 or CITS2402) | **2026** |
| SEM 2 | **CITS4009: Fundamentals of Data Science** | **STAT5405: Bayesian Computing  and Statistics\*\***  pre-req: STAT2403 OR (STAT2401 & STAT2402) | **Data Analysis Option B Unit** (e.g., STAT5061: Statistical Data Analysis) pre-req: STAT2403 | **Level 5 Data Analysis Option B Unit** (e.g., CITS5017: Deep Learning) pre-req: CITS5508 |
| **YEAR 2** | SEM 1 | **CITS5553: Data Science Capstone Project**  pre-req: 66 pts  Advisable Prior Study: MDS conversion units, core units and Group A & Group B units, including at least CITS4009 and CITS5508 | **ICT Option A Unit**  (e.g., CITS4407: Open-Source Tools and Scripting) | **Level 5 ICT Option A Unit**  (e.g., CITS5504: Data Warehousing) pre-req: CITS1401 and CITS1402 | **Option C Unit**  (e.g., SVLG5001: McCusker Centre for Citizenship Internship) | **2027** |

\*\* Unit is available in Semester 1 and Semester 2

**NOTES**

* The 2026 MDS Course Details will be published in the 2026 Handbook which will be available from mid-November onwards
* Plan ahead! Look at prerequisite requirements in the Handbook. For example: Level 5 ICT option unit CITS5504 requires prerequisite units CITS1401 AND CITS1402
* Information about unit availability should be checked at the beginning of each semester and can be found at [timetable.uwa.edu.au](http://www.timetable.uwa.edu.au/) and [Handbooks](https://handbooks.uwa.edu.au/)
* Research project option units (CITS5014 and CITS5015) are by invitation only. Entry requirements include a WAM of 70 and above.
* STAT2403 will be available in both Sem 1 and Sem 2 in 2027 onwards.
* CITS5553 will be available in both Sem 1 and Sem 2 in 2027 onwards.

**Next Steps…**

# Enrol on studentConnect and plan your timetable on the Class Allocation System:

* studentConnect: <student.uwa.edu.au/course/studentconnect>
* Class Allocation System (CAS): <cas.uwa.edu.au>

## **62530 Master of Data Science – 1.5-year study plan, Sem 2 start**

**5 x Core Units**

**7 x Option Units (see notes on Page 3)**

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| **Prior Studies** | | **4 x Conversion Units (24 points)** | | | |  |
| **YEAR 1** | SEM 2 | **CITS4009: Fundamentals of Data Science** | **STAT5405: Bayesian Computing  and Statistics**  pre-req: STAT2403 OR (STAT2401 & STAT2402) | **Data Analysis Option B Unit** (e.g., STAT5061: Statistical Data Analysis) pre-req: STAT2403 | **Data Analysis Option B Unit**  (e.g., CITS4012: Natural Language Processing)  pre-req: CITS1401 | **2026** |
| **YEAR 2** | SEM 1 | **CITS5508: Machine Learning** pre-req: CITS1401 | **STAT4064: Applied Predictive  Modelling**  pre-req: STAT2403 OR (STAT2401 & STAT2402) | **ICT Option A Unit**  (e.g., CITS4407: Open-Source Tools and Scripting) | **Level 5 ICT Option A Unit**  (e.g., CITS5504: Data Warehousing) pre-req: CITS1401 and CITS1402 | **2027** |
| SEM 2 | **CITS5553: Data Science Capstone Project**  pre-req: 66 pts  Advisable Prior Study: MDS conversion units, core units and Group A & Group B units, including at least CITS4009 and CITS5508 | **Level 5 Data Analysis Option B Unit** (e.g., CITS5017: Deep Learning) pre-req: CITS5508 | **Level 5 ICT Option A Unit**  (e.g., CITS5503: Cloud Computing) pre-req: CITS1401 and CITS4009 OR (CITS2002 or CITS2005 or CITS2200 or CITS2402) | **Option C Unit**  (e.g., SVLG5001: McCusker Centre for Citizenship Internship) |

\*\* Unit is available in Semester 1 and Semester 2

**NOTES**

* The 2026 MDS Course Details will be published in the 2026 Handbook which will be available from mid-November onwards
* Plan ahead! Look at prerequisite requirements in the Handbook. For example: Level 5 ICT option unit CITS5504 requires prerequisite units CITS1401 AND CITS1402
* Information about unit availability should be checked at the beginning of each semester and can be found at [timetable.uwa.edu.au](http://www.timetable.uwa.edu.au/) and [Handbooks](https://handbooks.uwa.edu.au/)
* Research project option units (CITS5014 and CITS5015) are by invitation only. Entry requirements include a WAM of 70 and above. Students who wish to include the research project in their study plan should make an appointment with the Program Chair as early as possible in their studies to create an approved study plan.
* STAT2403 will be available in both Sem 1 and Sem 2 in 2027 onwards.
* CITS5553 will be available in both Sem 1 and Sem 2 in 2027 onwards.

**Next Steps…**

# Enrol on studentConnect and plan your timetable on the Class Allocation System:

* studentConnect: <student.uwa.edu.au/course/studentconnect>
* Class Allocation System (CAS): <cas.uwa.edu.au>

**Option units**

Students must take units to a total of 42 points from Groups A, B and C, including:

* At least 18 points from Information and Communications Technologies (Group A) Option Units, including at least 12 points at Level 5
* At least 18 points from Data Analysis (Group B) Option Units including at least 6 points at Level 5
* At most 6 points from Group C Option Units

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| **Group A – ICT Option Units** | **Group B – Data Analysis Option Units** | **Group C Option Units** |
| CITS4407: Open Source Tools and Scripting | CITS4012: Natural Language Processing | BUSN5003: Data Storytelling |
| CITS5503: Cloud Computing | CITS4402: Computer Vision | CITS4403: Computational Modelling |
| CITS5504: Data Warehousing | CITS4404: Artificial Intelligence and Adaptive Systems | CITS5505: Agile Web Development |
| CITS5507: High Performance Computing | CITS5014: Data and Information Technologies Research Project 1 | CITS5506: Internet of Things |
|  | CITS5015: Data and Information Technologies Research Project 2 | INMT5526: Business Intelligence |
|  | CITS5017: Deep Learning | MGMT5504: Data Analysis and Decision Making |
|  | STAT4065: Multilevel and Mixed-Effects Modelling | STAT4063: Computationally Intensive Methods in Statistics |
|  | STAT5061: Statistical Data Science | SVLG5001: McCusker Centre for Citizenship Internship |
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