## **62530 Master of Data Science – 2-year study plan, Sem 1 start**

**4 x Conversion Units**

**5 x Core Units**

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

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| **YEAR 1** | SEM 1 | **STAT1400: Statistics for Science\*\*** | **CITS1401: Computational Thinking with Python\*\*** | **CITS1402: Relational Database Management Systems\*\*** | **ICT Option A Unit**(e.g., CITS4407: Open-Source Tools and Scripting) |
| SEM 2 | **STAT2403: Regression Models for Data Science**pre-req: STAT1400 | **CITS4009: Fundamentals of Data Science** | **Data Analysis Option B Unit** (e.g., CITS4012: Natural Language Processing) pre-req: CITS1401 | **Option C Unit**(e.g., MGMT5504: Data Analysis and Decision Making) |
| **YEAR 2** | SEM 1 | **CITS5508: Machine Learning**pre-req: CITS1401 | **STAT4064: Applied Predictive Modelling**pre-req: STAT2403 or (STAT2401 & STAT2402) | **Data Analysis Option B Unit**(e.g., STAT4065: Multilevel and Mixed Effects Modelling)pre-req: STAT2403 | **Level 5 ICT Option A Unit**(e.g., CITS5504: Data Warehousing)pre-req: CITS1401 and CITS1402 |
| SEM 2 | **CITS5553: Data Science Capstone Project**pre-req: 30 pts of L4/5 units | **STAT5405: Bayesian Computing and Statistics**pre-req: STAT2403 or (STAT2401 & STAT2402) | **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) |

\*\* 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 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 and CITS5553 will be available in both Sem 1 and Sem 2 in 2028.

**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 – 2-year study plan, Sem 2 start**

**4 x Conversion Units**

**5 x Core Units**

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

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| **YEAR 1** | SEM 2 | **STAT1400: Statistics for Science\*\*** | **CITS1401: Computational Thinking with Python\*\*** | **CITS1402: Relational Database Management Systems\*\*** | **CITS4009: Fundamentals of Data Science** |
| **YEAR 2** | SEM 1 | **STAT2403: Regression Models for Data Science\*\***pre-req: STAT1400 | **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 | **Data Analysis Option B Unit** (e.g., CITS4404: AI & Adaptive Systems)pre-req: CITS1401 and CITS4009 OR (CITS2002 or CITS2005 or CITS2200 or CITS2402) |
| SEM 2 | **STAT5405: Bayesian Computing and Statistics**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) | **Level 5 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 |
| **YEAR 3** | SEM 1 | **CITS5553: Data Science Capstone Project**pre-req: 30 pts of L4/5 units | **CITS5508: Machine Learning**pre-req: CITS1401 | **STAT4064: Applied Predictive Modelling**pre-req: STAT2403 OR (STAT2401 & STAT2402) | **Option C Unit**(e.g., SVLG5001: McCusker Centre for Citizenship Internship) |

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

**NOTES**

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* 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/)
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**Next Steps…**

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* 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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