## **62510 Master of Information Technology: Applied Computing Stream – 2-year study plan, Sem 1 start**

**4 x Conversion Units**

**4 x Applied Computing Specialisation Units**

**4 x Core Units**

**4 x Option Units (see notes on page 3)**

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| **YEAR 1** | SEM 1 | **CITS1003: Introduction to  Cybersecurity\*\*** | **CITS1401: Computational Thinking  with Python\*\*** | **CITS1402: Relational Database Management Systems\*\*** | **PHIL4100:  Ethics and Critical Thinking\*\*** | **2026** |
| SEM 2 | **CITS2002: Systems Programming**  pre-req: CITS1401 | **Option B** (e.g., CITS4403 Computational Modelling) | **Applied Computing unit**  (e.g., CITS4012 Natural Language Processing) | **Applied Computing unit** (e.g., CITS4009 Computational Data Analysis) |
| **YEAR 2** | SEM 1 | **CITS4401: Software Requirements  and Design** pre-req: CITS1401 | **CITS5505: Agile Web Development** pre-req: CITS1401 advisable prior study: CITS1402 | **Level 5 Option B**  (e.g., CITS5508 Machine Learning) | **Option A**  (e.g., CITS5506 Internet of Things) | **2027** |
| SEM 2 | **CITS5206: Information Technology Capstone Project\*\***  pre-req: 48 points of L4/5 units | **Applied Computing unit**  (e.g., CITS5507 High Performance Computing) | **Applied Computing unit** (e.g., CITS5503 Cloud Computing) | **Option C**  (e.g., SVLG5001 McCusker Centre for Citizenship Internship) |

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

**NOTES**

* Course details are in the Handbook. For example: Master of Information Technology rules are here: <https://handbooks.uwa.edu.au/coursedetails?code=62510#rules>
* Course structure and unit details can found here: <https://handbooks.uwa.edu.au/coursedetails?code=62510#course-structure>
* Plan ahead! Look at prerequisite requirements in the Handbook. For example: Level 5 option unit CITS5017 requires prerequisite unit CITS5508.
* 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.
* Applied Computing specialisation units can be chosen from any Level 4 and Level 5 CITS units as listed in the course structure.
* Students taking the Applied Computing specialization may complete only one specialisation.

**Next Steps…**

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

* studentConnect: [student.uwa.edu.au/course/studentconnect](file:///Users/00047104/Downloads/student.uwa.edu.au/course/studentconnect)
* Class Allocation System (CAS): [cas.uwa.edu.au](file:///Users/00047104/Downloads/cas.uwa.edu.au)

## **62510 Master of Information Technology: Applied Computing Stream – 2-year study plan, Sem 2 start**

**4 x Conversion Units**

**4 x Applied Computing Specialisation Units**

**4 x Core Units**

**4 x Option Units (see notes on page 3)**

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| --- | --- | --- | --- | --- | --- | --- |
| **YEAR 1** | SEM 2 | **CITS1003: Introduction to  Cybersecurity\*\*** | **CITS1401: Computational Thinking  with Python\*\*** | **CITS1402: Relational Database Management Systems\*\*** | **PHIL4100:  Ethics and Critical Thinking\*\*** | **2026** |
| SEM 1 | **CITS2005: Object Oriented Programming**  pre-req: CITS1401 | **CITS4401: Software Requirements  and Design** pre-req: CITS1401 | **CITS5505: Agile Web Development** pre-req: CITS1401 advisable prior study: CITS1402 | **Option A**  (e.g., CITS5506 Internet of Things) | **2027** |
| **YEAR 2** | SEM 2 | **Applied Computing unit**  (e.g., CITS5503 Cloud Computing) | **Applied Computing unit**  (e.g., CITS5501 Software Testing and Quality Assurance) | **Applied Computing unit**  (e.g., CITS4012 Natural Language Processing) | **Option B**  (e.g., CITS4403 Computational Modelling) |
| SEM 1 | **CITS5206: Information Technology Capstone Project\*\***  pre-req: 48 points of L4/5 units  AND CITS5505 | **Applied Computing unit** (e.g., CITS4419 Mobile and Wireless Computing) | **Level 5 Option B**  (e.g., CITS5504 Data Warehousing) | **Option C**  (e.g., SVLG5001 McCusker Centre for Citizenship Internship) | **2028** |

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* Class Allocation System (CAS): [cas.uwa.edu.au](file:///Users/00047104/Downloads/cas.uwa.edu.au)

**Option units**

Students must take units to a total of 24 points from Groups A, B and C, including:

* At least 6 points from Group A
* At least 6 points from Group B including at least 6 points at Level 5
* At most 12 points from Group C

|  |  |  |
| --- | --- | --- |
| **Group A** | **Group B** | **Group C** |
| CITS5503: Cloud Computing | CITS4009: Computational Data Analysis | AUTO4508: Mobile Robots |
| CITS5506: Internet of Things | CITS4012: Natural Language Processing | ENVT4411: Geographic Information Systems Applications |
|  | CITS4402: Computer Vision | INMT5518: Supply Chain Analysis |
|  | CITS4403: Computational Modelling | INMT5526: Business Intelligence |
|  | CITS4404: Artificial Intelligence and Adaptive Systems | MGMT5504: Data Analysis and Decision Making |
|  | CITS4407: Open Source Tools and Scripting | SVLG5001: McCusker Centre for Citizenship Internship |
|  | CITS4419: Mobile and Wireless Computing |  |
|  | CITS5014: Data and Information Technologies Research Project 1 |  |
|  | CITS5015: Data and Information Technologies Research Project 2 |  |
|  | CITS5017: Deep Learning |  |
|  | CITS5501: Software Testing and Quality Assurance |  |
|  | CITS5504: Data Warehousing |  |
|  | CITS5507: High Performance Computing |  |
|  | CITS5508: Machine Learning |  |