## **MAJOR: Computer Science (MJD-CMPSC) – Semester 1 start** 11 x Core units 1 x Option unit

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| **YEAR 1** | SEM 1 | **CITS1003: Introduction to  Cybersecurity\*\*** | **CITS1402: Relational Database Management Systems\*\*** pre-req: ATAR Math Applications or MATH1720 | **ELECTIVE**  Or Bridging Unit (e.g., MATH1721) | **ELECTIVE** |
| SEM 2 | **CITS1401: Computational Thinking  with Python\*\***  pre-req: ATAR Math Methods or MATH1721 | **ELECTIVE** | **ELECTIVE** | **ELECTIVE** |
| **YEAR 2** | SEM 1 | **CITS2005: Object Oriented Programming**  pre-req: ATAR Math Methods or MATHS1721 AND  CITS1401 | **CITS2200: Data Structures and Algorithms** pre-req: ATAR Math Methods or MATHS1721 AND  CITS1401 | **ELECTIVE** | **ELECTIVE** |
| SEM 2 | **CITS2002: Systems Programming**  pre-req: CITS1401 | **CITS2211: Discrete Structures** pre-req: ATAR Math Methods or MATH1721 AND CITS1401 | **CITS3001: Advanced Algorithms**  pre-req: CITS2200 | **ELECTIVE** |
| **YEAR 3** | SEM 1 | **CITS3002: Computer Networks** pre-req: CITS2002 | **CITS3403: Agile Web Development**  pre-req: CITS1401 or CITS2002 | **Level 3 Option** Complete L3 option (e.g. CITS3003 or CITS3007) if completing Elective in Year 3, Sem 2  **OR ELECTIVE** Otherwise complete Elective | **ELECTIVE** Level 2/3 |
| SEM 2 | **CITS3200: Professional Computing**  pre-req: completed min. 84 points including CITS2002 or CITS2200 | **ELECTIVE** Complete ELECTIVE if L3 option was taken in Year 3 Sem 1  **OR Level 3 Option** Otherwise, complete a Level 3 option here (e.g. CITS3005, CITS3011 or CITS3402) | **ELECTIVE** Level 2/3 | **ELECTIVE** Level 2/3 |

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

**NOTES**

* Course details are in the Handbook. For example: Bachelor of Science rules are here: <https://handbooks.uwa.edu.au/coursedetails?code=bp004#rules>
* MJD-CMPSC Computer Science major overview and unit details can found here: <https://handbooks.uwa.edu.au/majordetails?code=MJD-CMPSC#units>
* Plan ahead! Look at prerequisite requirements in the Handbook. For example: Level 3 option unit CITS3005 requires pre-requisite units CITS2200 AND CITS2211
* 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/)

## **MAJOR: Computer Science (MJD-CMPSC) – Semester 2 start** 11 x Core units 1 x Option unit

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| **YEAR 1** | SEM 2 | **CITS1003: Introduction to  Cybersecurity\*\*** | **CITS1402: Relational Database Management Systems\*\*** pre-req: ATAR Math Applications or MATH1720 | **ELECTIVE**  Or Bridging Unit (e.g., MATH1721) | **ELECTIVE** |
| **YEAR 2** | SEM 1 | **CITS1401: Computational Thinking  with Python\*\***  pre-req: ATAR Math Methods or MATH1721 | **ELECTIVE** | **ELECTIVE** | **ELECTIVE** |
| SEM 2 | **CITS2002: Systems Programming**  pre-req: CITS1401 | **CITS2211: Discrete Structures** pre-req: ATAR Math Methods or MATH1721 AND CITS1401 | **ELECTIVE** | **ELECTIVE** |
| **YEAR 3** | SEM 1 | **CITS3002: Computer Networks** pre-req: CITS2002 | **CITS2005: Object Oriented Programming**  pre-req: ATAR Math Methods or MATHS1721 AND  CITS1401 | **CITS2200: Data Structures and Algorithms** pre-req: ATAR Math Methods or MATHS1721 AND  CITS1401 | **ELECTIVE** |
| SEM 2 | **CITS3001: Advanced Algorithms**  pre-req: CITS2200 | **CITS3200: Professional Computing**  pre-req: completed min. 84 points including CITS2002 or CITS2200 | **Level 3 Option** Complete L3 option (e.g., CITS3005, CITS3011, CITS3402) if completing Elective in Year 4, Sem 1)  **OR ELECTIVE**  Otherwise complete Elective | **ELECTIVE** Level 2/3 |
| **YEAR 4** | SEM 1 | **CITS3403: Agile Web Development**  pre-req: CITS1401 or CITS2002 | **ELECTIVE** Complete a Level 2/3 ELECTIVE if L3 option was taken in Year 3 Sem 2  **OR Level 3 Option** Otherwise complete L3 option  (e.g., CITS3003 or CITS3007) | **ELECTIVE** Level 2/3 | **ELECTIVE** Level 2/3 |

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

**NOTES**

* Course details are in the Handbook. For example: Bachelor of Science rules are here: <https://handbooks.uwa.edu.au/coursedetails?code=bp004#rules>
* MJD-CMPSC Computer Science major overview and unit details can found here: <https://handbooks.uwa.edu.au/majordetails?code=MJD-CMPSC#units>
* Plan ahead! Look at prerequisite requirements in the Handbook. For example: Level 3 option unit CITS3005 requires pre-requisite units CITS2200 AND CITS2211
* 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/)

# Choose a degree-specific major

# Make sure your study plan includes:

You must complete at least one degree-specific major. Make sure you include core units and option units.

# Include foundation units (if applicable)

You must complete any foundation units required for your degree. Foundation units are compulsory, regardless of your choice of degree-specific major. Check your course rules to see if foundational units are required for your course.  
Bachelor of Science does not have foundation units.

# Include bridging units (if applicable)

You may be required to complete bridging units if you have not completed the pre-requisite ATAR-level study (or equivalent qualification) for your major/s.   
Bridging units may include:  
MATH1720 Mathematics Fundamentals – equivalent to ATAR Math Applications   
MATH1721 Mathematics Foundations: Methods – equivalent to ATAR Math Methods

# Choose a second major or minor (optional)

You can complete a second major or minor from any degree area as long as you meet the prerequisites. It is not compulsory to choose a second major or minor, but specialising in a second discipline will add to your qualification and employment prospects.  
<handbooks.uwa.edu.au/search/?type=majors><handbooks.uwa.edu.au/search/?type=minors>

# Choose electives

Once you’ve included all the units for your majors, minors, foundational units, bridging units and broadening requirements you may have space for electives. Electives can be chosen from any units offered in your course, subject to unit rules. View the list: <handbooks.uwa.edu.au/undergraduate/electives>

* + a total of 24 units
  + no more than 12 **Level 1** units (96 credit points)
  + at least 3 **Level 3** units (18 credit points)

This is based on the Bachelor of Science (BP004) three-year degree. Students in a four-year or combined-degree should refer to their program’s course rules.

Full details of course structure and rules can be found in the Handbook:

<handbooks.uwa.edu.au/undergraduate>

**TIP:** Level 1 electives can be taken at any time during your degree as long as you do not exceed the maximum Level 1 limit. Similarly, Level 3 units can be taken earlier in your degree, so long as you meet unit prerequisites.

# 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>

**HELP!**Refer to the UniStart website for your step-by-step guide on planning your enrolment: <uwa.edu.au/unistart> For other questions find ‘FAQs’ and ‘Email Us’ in askUWA: [ask.uwa.edu.au](https://ipoint.uwa.edu.au/)

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A standard full-time study load is four units per semester. All units have a value of six points unless otherwise stated. To check that you’re on track to meet your course requirements use the My Course Study Plan Checklist or get your study plan checked by a student advisor in your assigned Student Advising Office (displayed on studentConnect). First-year students who are unsure which major/s they want to study are advised to fill out the My First Year Study Plan & Checklist. Information in this study plan is correct at the time of publication and is subject to change from time to time. The University reserves the right to change the unit availability and unit rules, please refer to the Handbook each semester.