Master of Computing (Advanced)
Artificial Intelligence Specialisation

Instructions
1. Make sure that you are familiar with the program requirements of your degree.
2. Make sure you are following the program requirements for the academic year that you commenced your degree.
3. Fill in the boxes once you have successfully passed the course (or if you have been awarded course credit or exemption).
4. Ensure that you have completed the minimum unit requirements for each section.
5. Always check your enrolments with CECS Student Services to ensure that you are on track to graduate.

The Master of Computing (Advanced) requires completion of 16 courses, of which:

A minimum of 8 courses must come from completion of 8000-level courses.

1 ☐  2 ☐  3 ☐  4 ☐  5 ☐  6 ☐  7 ☐  8 ☐

To remain in the Master of Computing (Advanced) you must maintain a GPA 6.0/7.0. Your academic progress and GPA will be reviewed when you have attempted 8 courses.

Compulsory Courses
Complete the 6x courses listed below

- **COMP6442 Software Construction** (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  Availability: Semester 1 / Semester 2
  Prerequisites:
  - Must be enrolled in the Master of Computing (Advanced) to waive existing prerequisites

- **COMP8260 Professional Practice 2** (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  Availability: Semester 1 / Semester 2
  Prerequisites:
  - Must be enrolled in the Master of Computing (Advanced) to waive existing prerequisites

- **COMP6445 Advanced Computing Research Methods** (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  Availability: Semester 1
  Prerequisites: N/A

- **COMP6331 Computer Networks** (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  Availability: Semester 1
  Prerequisites:
  - Must be enrolled in the Master of Computing (Advanced) to waive existing prerequisites

- **COMP6420 Introduction to Data Management, Analysis and Security** (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  Availability: Semester 1
  Prerequisites:
  - Must be enrolled in the Master of Computing (Advanced) to waive existing prerequisites

- **COMP6120 Software Engineering** (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  Availability: Semester 2
  Prerequisites:
  - Successful completion or current enrolment in COMP6442
### Compulsory Research or Internship Courses

**Complete the course listed below**

- **COMP8800** Computing Research Project (24 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  - Availability: Semester 1 / Semester 2
  - Prerequisites:
    - Must be enrolled in Master of Computing (Advanced)
    - Successful completion of COMP6442
    - Successful completion of COMP8260
    - Successful completion of COMP6445
  - This course must be completed over two consecutive semesters.

### Specialisation Courses – Artificial Intelligence

**Complete the 4x courses listed below**

- **COMP6262** Logic (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  - Availability: Semester 1
  - Prerequisites: N/A

- **COMP6320** Artificial Intelligence (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  - Availability: Semester 1
  - Prerequisites:
    - Successful completion or current enrolment in COMP6262

- **COMP8620** Advanced Topics in Artificial Intelligence (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  - Availability: Semester 2 (biennial – runs every two years)
  - Prerequisites:
    - Successful completion of COMP6320

- **COMP8691** Optimisation (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  - Availability: Semester 2
  - Prerequisites:
    - Successful completion of COMP6320

### Specified Elective Courses

**Complete 2x 6000- or 8000-level COMP-coded courses**

- **COMP-coded 6000- or 8000-level course** (6 units)
  - completed at the ANU
  - awarded as credit

- **COMP-coded 6000- or 8000-level course** (6 units)
  - completed at the ANU
  - awarded as credit
<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 2 2020</th>
<th>COMP6442 Software Construction</th>
<th>COMP6445 Advanced Computing Research Methods</th>
<th>COMP8260 Professional Practice 2</th>
<th>COMP-coded 6000- or 8000-level course</th>
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<td></td>
<td>Semester 1 2021</td>
<td>COMP6331 Computer Networks</td>
<td>COMP6420 Introduction to Data Management, Analysis and Security</td>
<td>COMP6262 Logic</td>
<td>COMP6320 Artificial Intelligence</td>
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<tr>
<td>Year 2</td>
<td>Semester 2 2021</td>
<td>COMP8800 Computing Research Project</td>
<td>COMP8620 Advanced Topics in Artificial Intelligence</td>
<td>COMP8691 Optimisation</td>
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<td></td>
<td>Semester 1 2022</td>
<td>COMP8800 Computing Research Project</td>
<td>COMP6120 Software Engineering</td>
<td>COMP-coded 8000-level course</td>
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