Master of Computing MCOMP
Human Centred Design and Software Development Specialisation HCSD-SPEC

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 requires completion of 16x courses (96 units), of which:

A minimum of 6x courses must come from the completion of 8000-level courses or ‘Advanced’ classification 6000-level courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Complete Analysis</th>
<th>Completed at ANU</th>
<th>Awarded as Credit</th>
<th>Awarded as Exemption</th>
<th>Prerequisites</th>
<th>Availability</th>
<th>Classification</th>
<th>Classification</th>
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</thead>
<tbody>
<tr>
<td>COMP6710</td>
<td>6</td>
<td>Complete the 4x courses listed below</td>
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<td>COMP6250</td>
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<td>COMP6442</td>
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<td>COMP8260</td>
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<td>MATH6005</td>
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<td>COMP6260</td>
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<td>COMP8715</td>
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This course must be completed over two consecutive semesters

Before you enrol into this course you must:
- Find a Project Supervisor
- Complete an 'Independent Study Contract'
- Obtain approval from the Course Convenor

**COMP8830 Computer Science Internship** (12 units)
- completed at the ANU
- awarded as credit
- awarded as exemption

Availability: Semester 1 / Semester 2  
Classification: Advanced  
Prerequisites:
- Successful completion or current enrolment in COMP6442  
- Successful completion of COMP8260

Before you enrol into this course you must:
- Have a GPA 5.0/7.0  
- Successfully complete 8x courses in your current ANU degree  
- Complete an online ‘Expression of Interest’ form  
- Submit a Degree Health Check request  
- Submit a copy of your curriculum vitae to CECS Student Services

*This course must be completed in one semester*

**Specialisation Courses – Human Centred Design and Software Development**

**Complete no more than 2x of the courses listed below**

- **COMP6353** Systems Engineering for Software Engineers (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  
  Availability: Not Offered  
  Classification: N/A  
  Prerequisites: N/A

- **COMP6461** Computer Graphics (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  
  Availability: Semester 2  
  Classification: Transitional  
  Prerequisites: N/A

- **VCPG6001** Unravelling Complexity (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  
  Availability: Semester 2  
  Classification: Transitional  
  Prerequisites: N/A

**Complete at least 2x of the courses listed below**

- **COMP6390** HCI and Usability Engineering (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  
  Availability: Semester 2  
  Classification: Advanced  
  Prerequisites: N/A

- **COMP8100** Requirements Elicitation and Analysis Techniques (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  
  Availability: Not Offered  
  Classification: Advanced  
  Prerequisites: N/A

- **COMP8173** Software Engineering Processes (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  
  Availability: Not Offered  
  Classification: Advanced  
  Prerequisites: N/A

- **COMP8180** Systems and Software Safety (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  
  Availability: Not Offered  
  Classification: Advanced  
  Prerequisites: N/A

- **COMP8190** Model-Driven Software Development (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  
  Availability: Not Offered  
  Classification: Advanced  
  Prerequisites: N/A

- **COMP8420** Neural Networks, Deep Learning and Bio-inspired Computing (6 units)
  - completed at the ANU
  - awarded as credit
  - awarded as exemption
  
  Availability: Semester 1  
  Classification: Advanced  
  Prerequisites:
  - Successful completion of COMP6670

**Specified Elective Courses**

**Complete 3x 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

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

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College of Engineering and Computer Science (CECS)  
Academic Year 2021
## Unspecified Elective Courses

### Complete 2x ANU-wide courses

<table>
<thead>
<tr>
<th>Course</th>
<th>UNNUN</th>
<th>Awarded as Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ANU-wide elective course</strong> (6 units)</td>
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<td>☐</td>
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<tr>
<td><strong>Course:</strong> ___________________________</td>
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<tr>
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</table>

*Additional electives as a result of awarded course exemption(s)*

You are required to complete an additional _____ COMP-coded elective courses.

You are required to complete an additional _____ ANU-wide elective courses.
# 2021 Suggested Study Plan – Semester 1 Commencement

*Professional Computing Specialisation to receive professional accreditation by the Australian Computer Society.*

## YEAR 1

### Semester 1 2021
- COMP6710 Structured Programming
- COMP6250 Professional Practice 1
- MATH6005 Discrete Mathematical Models
- ANU-wide elective course (or COMP6340 Networked Information Systems*)

### Semester 2 2021
- COMP6442 Software Construction
- COMP8260 Professional Practice 2
- COMP6461 Computer Graphics
- COMP6670 Introduction to Machine Learning

## YEAR 2

### Semester 1 2022
- COMP8715 Computing Project
- COMP8420 Neural Networks, Deep Learning and Bio-inspired Computing
- COMP8110 Managing Software Projects in a System Context*

### Semester 2 2022
- COMP8715 Computing Project
- COMP6461 Computer Graphics
- VCPG6001 Unravelling Complexity

## ALTERNATIVE FINAL YEAR

### Semester 1 2022
- COMP875S Individual Computing Project
- COMP8420 Neural Networks, Deep Learning and Bio-inspired Computing
- COMP6120 Software Engineering*

### Semester 2 2022
- COMP875S Individual Computing Project
- COMP6461 Computer Graphics
- VCPG6001 Unravelling Complexity
- COMP6120 Software Engineering*
# 2021 Suggested Study Plan – Semester 2 Commencement

*Professional Computing Specialisation to receive professional accreditation by the Australian Computer Society.*

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>Semester 2 2021</th>
<th>COMP6710 Structured Programming</th>
<th>COMP6250 Professional Practice 1</th>
<th>COMP6670 Introduction to Machine Learning or COMP6240 Relational Databases*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1 2022</td>
<td>COMP6442 Software Construction</td>
<td>COMP8260 Professional Practice 2</td>
<td>MATH6005 Discrete Mathematical Models or COMP-coded 6000- or 8000-level course</td>
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<table>
<thead>
<tr>
<th>YEAR 2</th>
<th>Semester 2 2022</th>
<th>COMP8715 Computing Project or COMP8755 Individual Computing Project</th>
<th>COMP6461 Computer Graphics</th>
<th>VCPG6001 Unravelling Complexity</th>
<th>COMP6390 HCI and Usability Engineering</th>
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<tr>
<td>Semester 1 2023</td>
<td>COMP8755 Individual Computing Project</td>
<td>COMP8420 Neural Networks, Deep Learning and Bio-inspired Computing</td>
<td>COMP8110 Managing Software Projects in a System Context* or COMP8830 Computer Science Internship</td>
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<td>Semester 1 2023</td>
<td>COMP8830 Computer Science Internship</td>
<td>COMP8110 Managing Software Projects in a System Context*</td>
<td>ANU-wide elective course</td>
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