Master of Machine Learning and Computer Vision

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 96 units, of which:

A minimum of 4 courses must come from completion of 8000-level courses.

[ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ]

Compulsory Courses
Complete the 1x courses listed below

- COMP6710 Structured Programming
  - 6 units
  - [ ] completed at the ANU
  - [ ] awarded as credit
  - [ ] awarded as exemption
  - Availability: Semester 1 / Semester 2
  - Prerequisites: N/A

- COMP6730 Programming for Scientists
  - 6 units
  - [ ] completed at the ANU
  - [ ] awarded as credit
  - [ ] awarded as exemption
  - Availability: Semester 1 / Semester 2
  - Prerequisites: N/A

Compulsory Courses
Complete the 1x courses listed below

- ENGN6250 Professional Practice 1
  - 6 units
  - [ ] completed at the ANU
  - [ ] awarded as credit
  - [ ] awarded as exemption
  - Availability: Semester 1 / Semester 2
  - Prerequisites: N/A

- ENGN8260 Professional Practice 2
  - 6 units
  - [ ] completed at the ANU
  - [ ] awarded as credit
  - [ ] awarded as exemption
  - Availability: Semester 1 / Semester 2
  - Prerequisites: Successful completion of ENGN6250

Compulsory Courses
Complete the 4x courses listed below

- ENGN6528 Computer Vision
  - 6 units
  - [ ] completed at the ANU
  - [ ] awarded as credit
  - [ ] awarded as exemption
  - Availability: Semester 1
  - Prerequisites: N/A

- ENGN8501 Advanced Topics in Computer Vision
  - 6 units
  - [ ] completed at the ANU
  - [ ] awarded as credit
  - [ ] awarded as exemption
  - Availability: Semester 2
  - Prerequisites: Successful completion of ENGN6528

- COMP6670 Introduction to Machine Learning
  - 6 units
  - [ ] completed at the ANU
  - [ ] awarded as credit
  - [ ] awarded as exemption
  - Availability: Semester 2
  - Prerequisites: Successful completion or current enrolment in COMP6710 or COMP6730

- COMP8600 Statistical Machine Learning
  - 6 units
  - [ ] completed at the ANU
  - [ ] awarded as credit
  - [ ] awarded as exemption
  - Availability: Semester 1
  - Prerequisites: Successful completion of COMP6670

June 20
### Compulsory Research Courses

#### ENGN8602 Research Project (12 units)
- **Completed at the ANU**: No
- **Awarded as credit**: Yes
- **Awarded as exemption**: No

*Availability: Semester 1 / Semester 2*

Prerequisites: N/A

This course must be completed over two consecutive semesters.

#### ENGN6200 Engineering Internship (12 units)
- **Completed at the ANU**: Yes
- **Awarded as credit**: Yes
- **Awarded as exemption**: No

*Availability: Semester 1 / Semester 2*

Prerequisites:
- Successful completion of 8x courses
- Successful completion or current enrolment in ENGN6250 or ENGN8260

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 copy of your curriculum vitae to CECS Student Services

This course must be completed in one semester.

### Technical Computer Vision and Machine Learning Courses

#### Complete 4x of the courses listed below

#### COMP6262 Logic (6 units)
- **Completed at the ANU**: Yes
- **Awarded as credit**: Yes
- **Awarded as exemption**: No

*Availability: Semester 1*

Prerequisites: N/A

#### COMP6320 Artificial Intelligence (6 units)
- **Completed at the ANU**: Yes
- **Awarded as credit**: Yes
- **Awarded as exemption**: No

*Availability: Semester 1*

Prerequisites:
- Successful completion of COMP6710
- Successful completion or current enrolment in COMP6262

#### COMP6490 Document Analysis (6 units)
- **Completed at the ANU**: Yes
- **Awarded as credit**: Yes
- **Awarded as exemption**: No

*Availability: Semester 2*

Prerequisites: Successful completion of COMP6320

#### COMP8420 Neural Networks, Deep Learning and Bio-inspired Computing (6 units)
- **Completed at the ANU**: Yes
- **Awarded as credit**: Yes
- **Awarded as exemption**: No

*Availability: Semester 1*

Prerequisites: Successful completion of COMP6670

#### COMP8620 Advanced Topics in Artificial intelligence (6 units)
- **Completed at the ANU**: Yes
- **Awarded as credit**: Yes
- **Awarded as exemption**: No

*Availability: Semester 2*

Prerequisites: Successful completion of COMP6320

#### COMP8650 Advanced Topics in Machine Learning (6 units)
- **Completed at the ANU**: Yes
- **Awarded as credit**: Yes
- **Awarded as exemption**: No

*Availability: Semester 2*

Prerequisites: Successful completion of COMP6670 or COMP8600

#### COMP8691 Optimisation (6 units)
- **Completed at the ANU**: Yes
- **Awarded as credit**: Yes
- **Awarded as exemption**: No

*Availability: Semester 2*

Prerequisites: Successful completion of COMP6320

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*College of Engineering and Computer Science (CECS) Academic Year 2020*

*June 20*
☐ **ENGN6627** Robotics\(^{(6 \text{ units})}\)
- completed at the ANU
- awarded as credit
- awarded as exemption
- Availability: Semester 2
- Prerequisites: N/A

☐ **ENGN8534** Information Theory\(^{(6 \text{ units})}\)
- completed at the ANU
- awarded as credit
- awarded as exemption
- Availability: Semester 2
- Prerequisites:
  - Successful completion of ENGN8538

☐ **ENGN8535** Engineering Data Analytics\(^{(6 \text{ units})}\)
- completed at the ANU
- awarded as credit
- awarded as exemption
- Availability: Semester 1
- Prerequisites: N/A

☐ **ENGN8536** Advanced Topics in Mechatronics Systems\(^{(6 \text{ units})}\)
- completed at the ANU
- awarded as credit
- awarded as exemption
- Availability: Semester 2
- Prerequisites: N/A

### Unspecified Elective Courses

**Complete 4x ANU-wide courses**

☐ ANU-wide elective course\(^{(6 \text{ units})}\)
- Course: __________________________
  - completed at the ANU
  - awarded as credit

☐ ANU-wide elective course\(^{(6 \text{ units})}\)
- Course: __________________________
  - completed at the ANU
  - awarded as credit

☐ ANU-wide elective course\(^{(6 \text{ units})}\)
- Course: __________________________
  - completed at the ANU
  - awarded as credit

☐ ANU-wide elective course\(^{(6 \text{ units})}\)
- Course: __________________________
  - completed at the ANU
  - awarded as credit

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

You are required to complete an additional ______ ENGN-coded elective courses.

You are required to complete an additional ______ ANU-wide elective courses.
### 2020 Suggested Study Plan – Semester 2 Commencement

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>Semester 2 2020</th>
<th>COMP6710 Structured Programming</th>
<th>OR</th>
<th>COMP6730 Programming for Scientists</th>
<th>ENGN6250 Professional Practice 1</th>
<th>COMP6670 Introduction to Machine Learning</th>
<th>Technical Computer Vision and Machine Learning Course</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Semester 1 2021</td>
<td>ENGN6528 Computer Vision</td>
<td></td>
<td>Technical Computer Vision and Machine Learning Course</td>
<td>ANU-wide elective course</td>
<td>ANU-wide elective course</td>
<td></td>
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<thead>
<tr>
<th>YEAR 2</th>
<th>Semester 2 2021</th>
<th>ENGN8602 Research Project</th>
<th>ENGN8501 Advanced Topics in Computer Vision</th>
<th>Technical Computer Vision and Machine Learning Course</th>
<th>ANU-wide elective course</th>
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<td>Semester 1 2022</td>
<td>ENGN8602 Research Project</td>
<td>COMP8600 Statistical Machine Learning</td>
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<th>ALTERNATIVE FINAL YEAR</th>
<th>Semester 2 2021</th>
<th>ENGN8501 Advanced Topics in Computer Vision</th>
<th>Technical Computer Vision and Machine Learning Course</th>
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<td>Semester 1 2022</td>
<td>COMP8755 Individual Computing Project</td>
<td>COMP8600 Statistical Machine Learning</td>
<td>ANU-wide elective course</td>
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<tr>
<td></td>
<td></td>
<td>OR</td>
<td>COMP8830 Computer Science Internship</td>
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