## ADSEAI19
### Associate Degree of Software Engineering (Artificial Intelligence)

The Associate Degree of Software Engineering (Artificial Intelligence) is two years in duration for a full time student, or four years in duration for a part time student. Each year consists of three Study Periods, also known as Trimesters.

### Course Overview
- **Core subjects** - compulsory subjects that you must complete.
- **Elective subjects** - subjects you can choose from the Elective Bank below.

This course comprises of 16 subjects that you are required to complete: 10 core subjects, 4 specialisation subjects and 2 elective subjects.

The course contains 2 subject levels - Level 100, and 200, guiding you from foundational through to more complex subjects.

- **Level 100** - 4 core subjects, 2 specialisation core subjects and 1 elective
- **Level 200** - 6 core subjects, 2 specialisation core subjects and 1 elective

### Prerequisite subject
- A subject you must complete before undertaking another subject.

### Corequisite subject
- A subject you must complete with another subject at the same time.

### RPL
- Should you have any Recognition of Prior Learning (RPL) credits that make you eligible for exemptions, please contact your Program Director to discuss further.

### How to Read the Suggested Study Pattern (as a Full Time Student):

- **8 subjects per year** make up a full time study load, following a **3 subjects-3 subjects-2 subjects** pattern across the year's three Study Periods (Trimesters).

As an example: Following the below pattern, the subjects in your first year would be:

- **1st Study Period:** MAT101, ISE102, CAI104
- **2nd Study Period:** ADS103, MSA106, and one Level 100 Elective
- **3rd Study Period:** PST107, ICG202

### Suggested Study Pattern

#### Year 1

<table>
<thead>
<tr>
<th>Level</th>
<th>Subject Type</th>
<th>Subject</th>
<th>Prerequisite or Corequisite</th>
<th>Completed</th>
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<tr>
<td>100</td>
<td>Core</td>
<td>MAT101 Maths 1</td>
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<tr>
<td>100</td>
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<td>ISE102</td>
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<td>100</td>
<td>Specialisation</td>
<td>CAI104 Concepts in Artificial Intelligence</td>
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<td>100</td>
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<td>ADS103</td>
<td>Algorithms &amp; Data Structures</td>
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<td>100</td>
<td>Core</td>
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<td>Microservices Architecture</td>
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<td>100</td>
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<td>200</td>
<td>Core</td>
<td>ICS202</td>
<td>Introduction to Computer Graphics</td>
<td>Prerequisite: MAT101, ISE102, ADS103 must be completed prior to taking ICS202</td>
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<td>Introduction to Data Science</td>
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<td>200</td>
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<td>Specialisation</td>
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<td>200</td>
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<td>Elective 2</td>
<td>Choose a level 200 elective subject from the elective bank on the next page</td>
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**Study Period 6**

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<td>CEN207</td>
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*Please note - not all subjects are available for each Study Period. If your suggested subjects are unavailable, please take the subject that is immediately preceding or following that subject.*
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<thead>
<tr>
<th>Level</th>
<th>Course Code</th>
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<th>Prerequisites or Corequisites</th>
<th>Chosen Elective</th>
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<tr>
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<td>Introduction to DevOps</td>
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