# T1 Entry 2024 Sample Plan

## Year 1

### Term 1
- **COMP1511** Programming Fundamentals
- **MATH1131** Mathematics 1A OR **MATH1141** Higher Mathematics 1A
- **PHYS1121** Physics 1A OR **PHYS1131** Higher Physics 1A
- **COMP1531** Software Engineering Fundamentals
- **MATS1101** Engineering Materials and Chemistry
- **DESN1000** Introduction to Engineering Design and Innovation
- **MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B
- **PHYS1221** Physics 1B OR **PHYS1231** Higher Physics 1B

### Term 2
- **COMP1521** Computer Systems Fundamentals
- **MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B
- **PHYS1221** Physics 1B OR **PHYS1231** Higher Physics 1B
- **SOLA2051** Project in Photovoltaics and Renewable Energy
- **SOLA2061** Data Structures and Algorithms
- **SOLA2501** Introduction to Electronic Devices
- **SOLA2540** Applied Photovoltaics
- **COMP2511** Object-Oriented Design and Programming
- **DESN2000** Engineering Design and Professional Practice

## Year 2

### Term 1
- **COMP1521** Computer Systems Fundamentals
- **MATH2019** Engineering Mathematics 2E
- **MATH2089** Numerical Methods and Statistics
- **SOLA2051** Project in Photovoltaics and Renewable Energy
- **SOLA2061** Data Structures and Algorithms
- **SOLA2501** Introduction to Electronic Devices
- **SOLA2540** Applied Photovoltaics
- **COMP2511** Object-Oriented Design and Programming
- **DESN2000** Engineering Design and Professional Practice

### Term 2
- **COMP1521** Computer Systems Fundamentals
- **MATH2019** Engineering Mathematics 2E
- **MATH2089** Numerical Methods and Statistics
- **SOLA2051** Project in Photovoltaics and Renewable Energy
- **SOLA2061** Data Structures and Algorithms
- **SOLA2501** Introduction to Electronic Devices
- **SOLA2540** Applied Photovoltaics
- **COMP2511** Object-Oriented Design and Programming
- **DESN2000** Engineering Design and Professional Practice

### Term 3
- **COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis
- **SOLA3501** Low Energy Buildings and Photovoltaics
- **SOLA3502** Photovoltaic Technology and Manufacturing
- **SOLA3503** Solar Cells
- **ELEC4122** Strategic Leadership and Ethics
- **SOLA4012** Photovoltaic Systems Design
- **SOLA4057** Energy Efficiency
- **SOLA4951** Research Thesis A
- **SOLA4952** Research Thesis B
- **SOLA4953** Research Thesis C

## Year 3

### Term 1
- **COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis
- **SOLA3501** Low Energy Buildings and Photovoltaics
- **SOLA3502** Photovoltaic Technology and Manufacturing
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### Term 2
- **COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis
- **SOLA3501** Low Energy Buildings and Photovoltaics
- **SOLA3502** Photovoltaic Technology and Manufacturing
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### Term 3
- **COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis
- **SOLA3501** Low Energy Buildings and Photovoltaics
- **SOLA3502** Photovoltaic Technology and Manufacturing
- **SOLA3503** Solar Cells
- **ELEC4122** Strategic Leadership and Ethics
- **SOLA4012** Photovoltaic Systems Design
- **SOLA4057** Energy Efficiency
- **SOLA4951** Research Thesis A
- **SOLA4952** Research Thesis B
- **SOLA4953** Research Thesis C

## Year 4

### Term 1
- **COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis
- **SOLA3501** Low Energy Buildings and Photovoltaics
- **SOLA3502** Photovoltaic Technology and Manufacturing
- **SOLA3503** Solar Cells
- **ELEC4122** Strategic Leadership and Ethics
- **SOLA4012** Photovoltaic Systems Design
- **SOLA4057** Energy Efficiency
- **SOLA4951** Research Thesis A
- **SOLA4952** Research Thesis B
- **SOLA4953** Research Thesis C

### Term 2
- **COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis
- **SOLA3501** Low Energy Buildings and Photovoltaics
- **SOLA3502** Photovoltaic Technology and Manufacturing
- **SOLA3503** Solar Cells
- **ELEC4122** Strategic Leadership and Ethics
- **SOLA4012** Photovoltaic Systems Design
- **SOLA4057** Energy Efficiency
- **SOLA4951** Research Thesis A
- **SOLA4952** Research Thesis B
- **SOLA4953** Research Thesis C

### Term 3
- **COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis
- **SOLA3501** Low Energy Buildings and Photovoltaics
- **SOLA3502** Photovoltaic Technology and Manufacturing
- **SOLA3503** Solar Cells
- **ELEC4122** Strategic Leadership and Ethics
- **SOLA4012** Photovoltaic Systems Design
- **SOLA4057** Energy Efficiency
- **SOLA4951** Research Thesis A
- **SOLA4952** Research Thesis B
- **SOLA4953** Research Thesis C

## Year 5

### Term 1
- **COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis
- **SOLA3501** Low Energy Buildings and Photovoltaics
- **SOLA3502** Photovoltaic Technology and Manufacturing
- **SOLA3503** Solar Cells
- **ELEC4122** Strategic Leadership and Ethics
- **SOLA4012** Photovoltaic Systems Design
- **SOLA4057** Energy Efficiency
- **SOLA4951** Research Thesis A
- **SOLA4952** Research Thesis B
- **SOLA4953** Research Thesis C

### Term 2
- **COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis
- **SOLA3501** Low Energy Buildings and Photovoltaics
- **SOLA3502** Photovoltaic Technology and Manufacturing
- **SOLA3503** Solar Cells
- **ELEC4122** Strategic Leadership and Ethics
- **SOLA4012** Photovoltaic Systems Design
- **SOLA4057** Energy Efficiency
- **SOLA4951** Research Thesis A
- **SOLA4952** Research Thesis B
- **SOLA4953** Research Thesis C

### Term 3
- **COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis
- **SOLA3501** Low Energy Buildings and Photovoltaics
- **SOLA3502** Photovoltaic Technology and Manufacturing
- **SOLA3503** Solar Cells
- **ELEC4122** Strategic Leadership and Ethics
- **SOLA4012** Photovoltaic Systems Design
- **SOLA4057** Energy Efficiency
- **SOLA4951** Research Thesis A
- **SOLA4952** Research Thesis B
- **SOLA4953** Research Thesis C

## NOTES
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Information is correct as of 01.05.2024 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses.

Contact The Nucleus: Student Hub for further assistance.

CRICOS Provider Code 00098G
# Bachelor of Engineering (Honours) / Computer Science (3785) - Photovoltaics and Solar Energy (SOLAAAH) / Computer Science (COMPA1)

## T2 Entry 2024 Sample Plan

### Year 1

**Term 2**
- **COMP1511** Programming Fundamentals
- **MATS1101** Engineering Materials and Chemistry
- **COMP1531** Software Engineering Fundamentals

**Term 3**
- **MATH1131** Mathematics 1A OR **MATH1141** Higher Mathematics 1A
- **PHYS1121** Physics 1A OR **PHYS1131** Higher Physics 1A
- **DESN1000** Introduction to Engineering Design and Innovation

### Year 2

**Term 2**
- **COMP1521** Computer Systems Fundamentals
- **COMP2521** Data Structures and Algorithms
- **SOLA2051** Project in Photovoltaics and Renewable Energy

**Term 3**
- **MATH2089** Numerical Methods and Statistics
- **DESN2000** Engineering Design and Professional Practice

### Year 3

**Term 2**
- **SOLA3010** Low Energy Buildings and Photovoltaics
- **SOLA3020** Photovoltaic Technology and Manufacturing
- **COMP2511** Object-Oriented Design and Programming

**Term 3**
- **COMP4920** Professional Issues and Ethics in Information Technology
- **Disciplinary Elective**

### Year 4

**Term 2**
- **SOLA4012** Photovoltaic Systems Design
- **SOLA5057** Energy Efficiency
- **Strand Elective**

**Term 3**
- **Disciplinary Elective**
- **Computing Elective**

**Term 1**
- **ELEC4122** Strategic Leadership and Ethics
- **Strand Elective**
- **Strand Elective**

### Year 5

**Term 2**
- **SOLA4951** Research Thesis A
- **Computing Elective**

**Term 3**
- **Disciplinary Elective**
- **Computing Elective**

**Term 1**
- **SOLA4953** Research Thesis C
- **Computing Elective**

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# Bachelor of Engineering (Honours) / Computer Science (3785)

Photovoltaics and Solar Energy (SOLAAAH) / Computer Science (COMPA1)

T3 Entry 2024 Sample Plan

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
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