



UNIVERSITY  
OF WOLLONGONG  
AUSTRALIA

**MIT-ADT UNIVERSITY**  
**BACHELOR OF TECHNOLOGY**  
**COMPUTER SCIENCE & ENGINEERING (INTELLIGENT SYSTEMS**  
**- MIT-4.**

On completion of the above program the student granted the maximum credit transfer will be exempt from the following UOW subjects:

| <b>Inst. Code</b> | <b>Institution Subject Name</b>                         | <b>UOW Code</b> | <b>UOW Subject Name</b>                       | <b>Credit Points</b> |
|-------------------|---|-----------------|---|----------------------|
| 17NS101           | <i>Linear Algebra and Calculus</i>                      | MATH141         | Foundations of Engineering Mathematics        | 6                    |
| 17NS201           | <i>Differential Equations and Calculus</i>              | MATH142         | Essentials of Engineering Mathematics         | 6                    |
| 17NS301           | <i>Complex Variables and Transforms</i>                 | MATH291         | Differential Equations                        | 3                    |
| 17NS102           | <i>Engineering Physics</i>                              | PHYS143         | Physics For Engineers                         | 6                    |
| 17NS111           | <i>Physics Laboratory</i>                               | ENGG104         | Electrical Systems                            | 6                    |
| 17NS103           | <i>Basics of Electrical and Electronics Engineering</i> |                 |   |                      |
| 17NS203           | <i>Materials Engineering</i>                            | ENGG103         | Materials in Design                           | 6                    |
| 17NS105           | <i>Engineering Graphics</i>                             | ENGG105         | Engineering Design for Sustainability         | 6                    |
| 17NS106           | <i>English Communication</i>                            |                 |   |                      |
| 17NS113           | <i>Engineering Practices</i>                            |                 |   |                      |
| 17NS305           | <i>Environmental Engineering</i>                        |                 |   |                      |
| 17NS104           | <i>Fundamentals of Computer Programming</i>             | ENGG100         | Engineering Computing and Analysis            | 6                    |
| 17NS112           | <i>C Programming Laboratory</i>                         | CSCI291         | Programming for Engineers                     | 6                    |
| 17NS204           | <i>Object Oriented Programming in C++</i>               |                 |   |                      |
| 17NS212           | <i>C++ Programming Laboratory</i>                       |                 |   |                      |
| 17NS303           | <i>Data Structures</i>                                  |                 |   |                      |
| 17NS311           | <i>Data Structures Laboratory</i>                       |                 |   |                      |
| 17NS320           | <i>Mini Project –I</i>                                  |                 |   |                      |
| 17NS103           | <i>Basics of Electrical and Electronics Engineering</i> | ECTE233         | Digital Hardware                              | 6                    |
| 17NS205           | <i>Principles of Digital Systems</i>                    | ECTE331         | Real-time Embedded Systems                    | 6                    |
| 17NS304           | <i>Microprocessors and Interfacing</i>                  | ECTE333         | Microcontroller Architecture and Applications | 6                    |
| 17NS312           | <i>Microprocessors and Interfacing Laboratory</i>       |                 |   |                      |
| 17NS304           | <i>Operating Systems</i>                                |                 |   |                      |
| 17NS412           | <i>Programming Lab II</i>                               |                 |   |                      |



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|                |                                   |         |                                     |          |
|----------------|-----------------------------------|---------|-------------------------------------|----------|
| <i>17NS206</i> | <i>Professional Communication</i> | ECTE250 | Engineering Design and Management 2 | <b>6</b> |
| <i>17NS420</i> | <i>Mini Project-II</i>            |         |                                     |          |
| <i>17NS403</i> | <i>Data Communications</i>        | ECTE364 | Data Communications                 | <b>6</b> |
| <i>17NS412</i> | <i>Programming Lab II</i>         |         |                                     |          |

|  |             |
|--|-------------|
| <b>Total specified credit to be awarded:</b>   | <b>87</b>   |
| Unspecified credit at 100-level<br><i>Any TWO of: 17IS405, 17IS202, 17IS211</i> – ListB                | <b>6</b>    |
| Unspecified credit at 200-level<br><i>Any TWO of: 17NS401, 17NS402, 17NS404, 17IS411</i> – SECTE/ListA | <b>6</b>    |
| <b>Maximum eligible credit points of credit transfer</b>   | <b>93CP</b> |

**Notes:**

**\*Note that the degree can be completed in 2 years, however one semester will have to be overloaded by 3CP as students will still need to do STAT291**