

**David Anthony FERRIS**

**Awarded Bachelor of Mathematics with a major in Pure Mathematics on 15 December 2016 with Distinction**

**Awarded Bachelor of Engineering (Honours) (Electrical) on 16 January 2017 with Honours Class I**

| Term/<br>Program                                                                          | Course Code                        | Course Name | Unit<br>Value                | %<br>Mark | Grade | Units<br>Earned |    |
|-------------------------------------------------------------------------------------------|------------------------------------|-------------|------------------------------|-----------|-------|-----------------|----|
| <b>Semester 1 - 2009</b>                                                                  |                                    |             |                              |           |       |                 |    |
| <b>Program:</b>                                                                           | <b>B Eng (Electrical) / B Math</b> |             |                              |           |       |                 |    |
|                                                                                           | ELEC                               | 1700        | Computer Engineering 1       | 10        | 90    | HD              | 10 |
|                                                                                           | MATH                               | 1210        | Advanced Mathematics 1       | 10        | 91    | HD              | 10 |
|                                                                                           | PHYS                               | 1210        | Advanced Physics I           | 10        | 80    | D               | 10 |
|                                                                                           | SENG                               | 1110        | Intro to Software Eng 1      | 10        | 94    | HD              | 10 |
| Awarded University of Newcastle Gifted and Talented Scholarship                           |                                    |             |                              |           |       |                 |    |
| <b>Semester 2 - 2009</b>                                                                  |                                    |             |                              |           |       |                 |    |
| <b>Program:</b>                                                                           | <b>B Eng (Electrical) / B Math</b> |             |                              |           |       |                 |    |
|                                                                                           | ELEC                               | 1300        | Electrical Engineering 1     | 10        | 93    | HD              | 10 |
|                                                                                           | GENG                               | 1803        | Intro to Eng. Practice       | 10        | 92    | HD              | 10 |
|                                                                                           | MATH                               | 1220        | Adv Mathematics 122          | 10        | 85    | HD              | 10 |
|                                                                                           | PHYS                               | 1220        | Advanced Physics II          | 10        | 81    | D               | 10 |
| Placed on Faculty Commendation List 2009 - Faculty of Science and Information Technology  |                                    |             |                              |           |       |                 |    |
| Placed on the Dean's Merit List - Engineering and Built Environment                       |                                    |             |                              |           |       |                 |    |
| <b>Semester 1 - 2010</b>                                                                  |                                    |             |                              |           |       |                 |    |
| <b>Program:</b>                                                                           | <b>B Eng (Electrical) / B Math</b> |             |                              |           |       |                 |    |
|                                                                                           | ELEC                               | 2131        | Machines and Sensors         | 10        | 85    | HD              | 10 |
|                                                                                           | ELEC                               | 2320        | Electrical Circuits          | 10        | 76    | D               | 10 |
|                                                                                           | MATH                               | 2310        | Calculus of Sci and Engin    | 10        | 97    | HD              | 10 |
|                                                                                           | PHYS                               | 2170        | Quantum & Semiconductor Phys | 10        | 69    | C               | 10 |
| <b>Semester 2 - 2010</b>                                                                  |                                    |             |                              |           |       |                 |    |
| <b>Program:</b>                                                                           | <b>B Eng (Electrical) / B Math</b> |             |                              |           |       |                 |    |
|                                                                                           | ELEC                               | 2400        | Signals & Systems            | 10        | 86    | HD              | 10 |
|                                                                                           | ELEC                               | 2700        | Computer Engineering II      | 10        | 85    | HD              | 10 |
|                                                                                           | MATH                               | 1800        | Mathematical Modelling       | 10        | 97    | HD              | 10 |
|                                                                                           | MATH                               | 3242        | Complex Analysis             | 10        | 78    | D               | 10 |
|                                                                                           | STAT                               | 1070        | Statistics for the Sciences  | 10        | 86    | HD              | 10 |
| Placed on the Dean's Merit List - Engineering and Built Environment                       |                                    |             |                              |           |       |                 |    |
| Placed on Faculty Commendation List 2010 - Faculty of Science and Information Technology. |                                    |             |                              |           |       |                 |    |
| <b>Semester 1 - 2011</b>                                                                  |                                    |             |                              |           |       |                 |    |
| <b>Program:</b>                                                                           | <b>B Eng (Electrical) / B Math</b> |             |                              |           |       |                 |    |
|                                                                                           | ELEC                               | 3240        | Electronics                  | 10        | 82    | D               | 10 |
|                                                                                           | ELEC                               | 4400        | Automatic Control            | 10        | 77    | D               | 10 |
|                                                                                           | GENG                               | 3830        | Eng Proj Mngt                | 10        | 72    | C               | 10 |
|                                                                                           | MATH                               | 2330        | Analysis                     | 10        | 79    | D               | 10 |

**David Anthony FERRIS**

| Term/<br>Program                                                                                                                                                   | Course Code                         | Course Name | Unit<br>Value                  | %<br>Mark | Grade | Units<br>Earned |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------|--------------------------------|-----------|-------|-----------------|
| <b>Semester 2 - 2011</b>                                                                                                                                           |                                     |             |                                |           |       |                 |
| <b>Program:</b>                                                                                                                                                    | <b>B Eng (Electrical) / B Math</b>  |             |                                |           |       |                 |
|                                                                                                                                                                    | ELEC                                | 3850        | Intro to Electrical Eng Design | 10        | 86    | HD 10           |
|                                                                                                                                                                    | ENGL                                | 1201        | Creative Reading and Writing   | 10        | 70    | C 10            |
|                                                                                                                                                                    | MATH                                | 2320        | Linear Algebra                 | 10        | 85    | HD 10           |
|                                                                                                                                                                    | STAT                                | 2010        | Fundamentals of Statistics     | 10        | 93    | HD 10           |
| Placed on Dean's Merit List 2011 Faculty of Engineering and Built Environment                                                                                      |                                     |             |                                |           |       |                 |
| <b>Semester 1 - 2012</b>                                                                                                                                           |                                     |             |                                |           |       |                 |
| <b>Program:</b>                                                                                                                                                    | <b>B Eng (Electrical) / B Math</b>  |             |                                |           |       |                 |
|                                                                                                                                                                    | ELEC                                | 3540        | Analog & Digital Comms         | 10        | 79    | D 10            |
|                                                                                                                                                                    | ELEC                                | 3730        | Embedded Systems               | 10        | 96    | HD 10           |
|                                                                                                                                                                    | MATH                                | 3120        | Algebra                        | 10        | 66    | C 10            |
|                                                                                                                                                                    | PHIL                                | 3910        | EthicTechnology & Human Values | 10        | 84    | D 10            |
| <b>Semester 2 - 2012</b>                                                                                                                                           |                                     |             |                                |           |       |                 |
| <b>Program:</b>                                                                                                                                                    | <b>B Eng (Electrical) / B Math</b>  |             |                                |           |       |                 |
|                                                                                                                                                                    | ELEC                                | 3720        | Programmable Logic Design      | 10        | 87    | HD 10           |
|                                                                                                                                                                    | MATH                                | 3170        | Number Theory                  | 10        | 80    | D 10            |
|                                                                                                                                                                    | MATH                                | 3180        | Topology                       | 10        | 91    | HD 10           |
| Awarded UNISS Scholarship - University of Newcastle Industry Scholarship Scheme<br>Placed on Dean's Merit List 2012 - Faculty of Engineering and Built Environment |                                     |             |                                |           |       |                 |
| <b>Semester 1 - 2014</b>                                                                                                                                           |                                     |             |                                |           |       |                 |
| <b>Program:</b>                                                                                                                                                    | <b>B Eng (Electrical) / B Math</b>  |             |                                |           |       |                 |
|                                                                                                                                                                    | ELEC                                | 3500        | Telecommunication Networks     | 10        | 63    | P 10            |
|                                                                                                                                                                    | MATH                                | 2600        | Intro to Mod Math Computations | 10        | 99    | HD 10           |
|                                                                                                                                                                    | PHYS                                | 3360        | Advanced Electromagnetism      | 10        | 72    | C 10            |
| <b>Semester 1 - 2015</b>                                                                                                                                           |                                     |             |                                |           |       |                 |
| <b>Program:</b>                                                                                                                                                    | <b>B Eng (Hons) (Elec) / B Math</b> |             |                                |           |       |                 |
| This program was amended in accordance with the Australian Qualifications Framework (AQF) in 2014.                                                                 |                                     |             |                                |           |       |                 |
|                                                                                                                                                                    | ELEC                                | 3400        | Signal Processing              | 10        | 78    | D 10            |
| <b>Semester 2 - 2015</b>                                                                                                                                           |                                     |             |                                |           |       |                 |
| <b>Program:</b>                                                                                                                                                    | <b>B Eng (Hons) (Elec) / B Math</b> |             |                                |           |       |                 |
|                                                                                                                                                                    | ELEC                                | 3130        | Elec Mach & Power Sys          | 10        | 83    | D 10            |
| Placed on Dean's Merit List 2015 - Faculty of Engineering and Built Environment                                                                                    |                                     |             |                                |           |       |                 |
| <b>Semester 1 - 2016</b>                                                                                                                                           |                                     |             |                                |           |       |                 |
| <b>Program:</b>                                                                                                                                                    | <b>B Eng (Hons) (Elec) / B Math</b> |             |                                |           |       |                 |
|                                                                                                                                                                    | ELEC                                | 4840A       | Final Year Eng Project Part A  | 10        |       | NA --           |

3109837

31 January 2017

**David Anthony FERRIS**

---

| <b>Term/<br/>Program</b> | <b>Course Code</b>                  | <b>Course Name</b> | <b>Unit<br/>Value</b>         | <b>%<br/>Mark</b> | <b>Grade</b> | <b>Units<br/>Earned</b> |    |
|--------------------------|-------------------------------------|--------------------|-------------------------------|-------------------|--------------|-------------------------|----|
| <b>Semester 2 - 2016</b> |                                     |                    |                               |                   |              |                         |    |
| <b>Program:</b>          | <b>B Eng (Hons) (Elec) / B Math</b> |                    |                               |                   |              |                         |    |
|                          | ELEC                                | 4840B              | Final Year Eng Project Part B | 20                | 97           | HD                      | 30 |

**Awarded Bachelor of Mathematics with a major in Pure Mathematics on 15 December 2016 with Distinction**

**Awarded Bachelor of Engineering (Honours) (Electrical) on 16 January 2017 with Honours Class I**

---

END OF TRANSCRIPT

---