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| <b>Programme Name</b>        | <b>Certificate IV in Automotive Engineering (Panel &amp; Painting)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Programme Description</b> | <p><b>This course is aimed at students who:</b></p> <ol style="list-style-type: none"> <li>1. Are seeking a career in the Automotive Engineering Trades Industry – Automotive Panel &amp; Paints</li> <li>2. Wish to enhance and develop a range of practical skills for life</li> <li>3. Wish to undertake a course in which they can gain recognition of prior learning or credit transfer when entering appropriately related post school education and/or training; and/or require a foundation of skills and knowledge that can be built on as the need arises</li> </ol> <p><b>This course should enable students to:</b></p> <p>Understand the concepts, techniques, terminology and content appropriate to the industry focus of the course</p> <ol style="list-style-type: none"> <li>1. Demonstrate employment related practical skills and the workplace best practices</li> <li>2. Demonstrate problem solving ability incorporating evaluation techniques and skills</li> <li>3. Relate basic numeracy and scientific principles to practical applications</li> <li>4. Demonstrate oral, written and graphical communication skills</li> <li>5. Work independently and collaboratively in accordance with occupational health, safety principles, industry standards, and ethics.</li> <li>6. Demonstrate an awareness of existing and emerging technologies and career pathways</li> </ol> |
| <b>Majors</b>                | Automotive Panel & Paints                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Minimum Requirements</b>  | <p>(a) Passed year 12/Form 6 plus English.</p> <p>(b) Indentured applicants with less than the above requirements but at least two years industrial experience can be considered or matured students.</p> <p>(c) A pass in Level III in Automotive Body Works with 6 months Industrial Attachment.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Duration</b>              | 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Programme Type</b>        | Certificate IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>College Name</b>          | College of Engineering Sciences & Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Campus</b>                | Derrick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Credit Points</b>         | 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Programme Structure        |                                           |              |               |
|----------------------------|-------------------------------------------|--------------|---------------|
| Course Code                | Course Title                              | Prerequisite | Credit Points |
| <b>STAGE 1</b>             |                                           |              |               |
| APP360                     | Automotive Mechanical & Electrical System | MER          | 5             |
| APP 361                    | Vehicle Construction Theory               | MER          | 5             |
| APP 362                    | Vehicle Construction Workshop             | MER          | 5             |
| AUT 364                    | Automotive Science And Calculations       | MER          | 5             |
| ABW 301                    | Panel Workshop Health & Safety            | MER          | 5             |
| COM 303                    | Introduction To Communication Literacy    | MER          | 5             |
| <b>QUARTER 1</b>           |                                           |              | <b>30</b>     |
| <b>STAGE 2</b>             |                                           |              |               |
| APP 363                    | Vehicle Body Work Technology              | APP 361      | 5             |
| APP 364                    | Vehicle Body Workshop                     | APP 362      | 5             |
| APP 365                    | Welding Technology                        | MER          | 5             |
| APP 366                    | Welding Workshop                          | MER          | 5             |
| APP 367                    | Pre - Paint Preparations                  | APP 361      | 5             |
| ETH 301                    | Fundamentals Of Ethical Practices         | MER          | 5             |
| <b>QUARTER 2</b>           |                                           |              | <b>30</b>     |
| <b>STAGE 3</b>             |                                           |              |               |
| APP 420                    | Painting & Refinishing                    | APP367       | 5             |
| APP 421                    | Painting & Refinishing Workshop           | APP364       | 5             |
| APP 422                    | Paint Defects & Final Detailing           | APP363       | 5             |
| APP 423                    | Color Matching & Customization            | APP367       | 5             |
| AUT 440                    | Mechanical Science I                      | AUT364       | 5             |
| AUT 443                    | Computer Aided Drawing                    | MER          | 5             |
| <b>QUARTER 3</b>           |                                           |              | <b>30</b>     |
| <b>STAGE 4</b>             |                                           |              |               |
| APP 424                    | Collision Repair Technology               | APP420       | 5             |
| APP 425                    | Collision Repair Workshop                 | APP421       | 5             |
| APP 426                    | Vehicle Repair Project                    | APP 422      | 5             |
| APP 427                    | Accident Assessment And Quotation         | APP423       | 5             |
| AUT 441                    | Mechanical Science II                     | AUT440       | 5             |
| AUT 442                    | Automotive Commercial Procedure           | COM303       | 5             |
| <b>QUARTER 4</b>           |                                           |              | <b>30</b>     |
| <b>Total Credit Points</b> |                                           |              | <b>120</b>    |

**Notes:**

For the completion of the programme the candidates must;

1. One-year mandatory industrial attachment at an automotive workshop.
  2. Obtain a satisfactory report from the workshop supervisor.
  3. Attain 120 credit points from all the courses listed in the structure above.
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