**AUTOMOTIVE QUALIFICATION AND UNIT STANDARD REVIEW**

MITO is currently facilitating the 2021 cyclical review of the following qualifications, and unit standard development:

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| ***[Ref: xxxx]*** | ***Qualification title*** | ***Level*** | ***Credits*** |
| *Ref: 3097* | *New Zealand Certificate in Automotive Engineering (Level 3)* | *3* | *120* |
| *Ref: 3118* | *New Zealand Certificate in Heavy Automotive Engineering (Level 4) with strands in Road Transport, Plant and Equipment, Agricultural Equipment, and Materials Handling* | *4* | *240* |
| *Ref: 3119* | *New Zealand Certificate in Heavy Automotive Engineering (Level 5)* | *5* | *80* |
| *Ref: 3460* | *New Zealand Certificate in Automotive Electrical Engineering (Level 4)* | *4* | *190* |
| *Ref: 3461* | *New Zealand Certificate in Automotive Electrical Engineering (Level 5)* | *5* | *70* |
| *Ref: 3447* | *New Zealand Certificate in Motorcycle Engineering (Level 4)* | *4* | *160* |
| *Ref: 3448* | *New Zealand Certificate in Motorcycle Engineering (Level 5)* | *5* | *70* |
| *Ref: 3450* | *New Zealand Certificate in Light Automotive Engineering (Level 4)* | *4* | *200* |
| *Ref: 3451* | *New Zealand Certificate in Light Automotive Engineering (Level 5)* | *5* | *70* |
| *Ref: 3915* | *New Zealand Certificate in Electric Vehicle Automotive Engineering (Level 5)* | *5* | *70* |

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| File Name | Title | Level | Credits |
| LVAE XX01 | Explain and determine the cause of complex faults in light vehicle engine management systems and reflect on own diagnostic procedures | 5 | 15 |
| LVAE XX02 | Explain and determine the cause of complex faults in body control systems and reflect on own diagnostic procedures | 5 | 15 |
| LVAE XX03 | Explain and determine the cause of complex faults in braking, steering and suspension systems and reflect on own diagnostic procedures | 5 | 15 |
| LVAE XX04 | *Explain and determine the cause of complex faults in a driveline system and reflect on own diagnostic procedures* | 5 | 15 |
| LVAE XX05 | *Repair light vehicle complex mechanical engine failures and reflect on own diagnostic and repair procedures* | 5 | 15 |
| *AE XX06* | *Explain and determine the cause of complex faults in a vehicle or machine high voltage system and reflect on own diagnostic procedures* | 5 | 15 |
| *AE XX07* | *Explain and determine the cause of vehicle or machine complex faults in accessory systems and reflect on own diagnostic procedures* | 5 | *15* |
| *AE XX14* | *Design and build vehicle or machine complex electrical systems containing electronics and reflect on design and build procedures* | 5 | *10* |
| *HV XX08* | *Explain and determine the cause of complex faults in heavy vehicle or machine engine management systems and reflect on own diagnostic procedures* | 5 | *15* |
| *HV XX09* | *Commission complex auxiliary systems on a heavy vehicle or machine and reflect on own commissioning procedures* | 5 | *15* |
| *HV XX10* | *Repair heavy vehicle or machine complex mechanical engine failures and reflect on own diagnostic and repair procedures* | 5 | *15* |
| *HV XX11* | *Explain and determine the cause of complex faults in a heavy vehicle or machine driveline system and reflect on own diagnostic procedures* | 5 | *15* |
| *HV XX12* | *Explain and determine the cause of complex faults in a heavy vehicle or machine pneumatic system and reflect on own diagnostic procedures* | 5 | *15* |
| *HV XX13* | *Explain, and repair, heavy vehicle or machine component metal fatigue failure and reflect on own repair procedures* | 5 | *10* |