**INSTRUMENTATION AND CONTROL LEVEL 6**

**CDACC – KNP TRANSITION**

| **UNIT TITLE**  **KNP CBET** | **UNIT TITLE**  **CDACC** |
| --- | --- |
| Apply digital literacy | Demonstrate digital literacy |
| Apply communication skills | Demonstrate communication skills |
| Apply work ethics and practices | Demonstrate employability skills |
| Apply entrepreneurial skills | Demonstrate entrepreneurial skills |
|  | Demonstrate environmental literacy |
|  | Demonstrate occupational safety and health practices |
| Apply Technician Engineering Mathematics | Apply Engineering mathematics |
| Apply Electrical Principles | Apply Electrical principles |
| Apply Research Methods |  |
| Apply control systems | Install Control Systems |
| Apply Digital Electronics |  |
| Apply Analogue Electronics | Demonstrate understanding of Electronics |
| Perform Workshop Processes | Apply workshop processes |
| Perform Electrical Installation |
| Prepare engineering drawings and design | Prepare and interpret Technical Drawing |
| Install Instrumentation System | Establish and optimize process control strategies |
| Perform Electrical Measurement and Fault Diagnosis | Perform industrial measurement and instrumentation |
| Monitor Control and Instrumentation Systems |  |
|  | Install Transmission systems |
|  | Maintain instrumentation, Control and Transmission systems |
| Maintain Instrumentation and Control Systems |  |
|  | Install security systems |
| Install Hydraulic and Pneumatic System |  |
| Install Logic Controllers |  |
|  | Install Radar systems |
| Calibrate Industrial Measurement Instruments |  |
| Supervise Instrumentation and Control System | Manage instrumentation project |

EIC 600 M23

| **UNIT TITLE**  **KNP** | **UNIT TITLE**  **CDACC** | **ACTION** |
| --- | --- | --- |
| Apply digital literacy | Demonstrate digital literacy | SA |
| Apply communication skills | Demonstrate communication skills | SA |
| Apply work ethics and practices | Demonstrate employability skills | SA |
| Apply entrepreneurial skills | Demonstrate entrepreneurial skills | SA |
|  | Demonstrate environmental literacy | NA |
|  | Demonstrate occupational safety and health practices | NA |
| Apply Technician Engineering Mathematics | Apply Engineering mathematics | SA |
| Apply Electrical Principles | Apply Electrical principles | SA |
| Apply Research Methods |  | NEW |
| Apply control systems | Install Control Systems | SA |
| Apply Digital Electronics |  | NEW |
| Apply Analogue Electronics | Demonstrate understanding of Electronics | SA |
| Perform Workshop Processes | Apply workshop processes | SA |
| Perform Electrical Installation |
| Prepare engineering drawings and design | Prepare and interpret Technical Drawing | SA |
| Install Instrumentation System | Establish and optimize process control strategies | SA |
| Perform Electrical Measurement and Fault Diagnosis | Perform industrial measurement and instrumentation | SA |
| Monitor Control and Instrumentation Systems |  | NEW |
|  | Install Transmission systems | NA |
|  | Maintain instrumentation, Control and Transmission systems | NA |
| Maintain Instrumentation and Control Systems |  | NEW |
|  | Install security systems | NA |
| Install Hydraulic and Pneumatic System |  | NEW |
| Install Logic Controllers |  | NEW |
|  | Install Radar systems | NA |
| Calibrate Industrial Measurement Instruments |  | NEW |
| Supervise Instrumentation and Control System | Manage instrumentation project | NEW |

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| **UNIT TITLE**  **KNP** | **UNIT TITLE**  **CDACC** | **ACTION** |
| --- | --- | --- |
| Apply digital literacy | Demonstrate digital literacy | SA |
| Apply communication skills | Demonstrate communication skills | SA |
| Apply work ethics and practices | Demonstrate employability skills | NEW |
| Apply entrepreneurial skills | Demonstrate entrepreneurial skills | SA |
|  | Demonstrate environmental literacy | NA |
|  | Demonstrate occupational safety and health practices | NA |
| Apply Technician Engineering Mathematics | Apply Engineering mathematics | SA |
| Apply Electrical Principles | Apply Electrical principles | SA |
| Apply Research Methods |  | NEW |
| Apply control systems | Install Control Systems | SA |
| Apply Digital Electronics |  | NEW |
| Apply Analogue Electronics | Demonstrate understanding of Electronics | SA |
| Perform Workshop Processes | Apply workshop processes | SA |
| Perform Electrical Installation |
| Prepare engineering drawings and design | Prepare and interpret Technical Drawing | SA |
| Install Instrumentation System | Establish and optimize process control strategies | NEW |
| Perform Electrical Measurement and Fault Diagnosis | Perform industrial measurement and instrumentation | SA |
| Monitor Control and Instrumentation Systems |  | NEW |
|  | Install Transmission systems | NA |
|  | Maintain instrumentation, Control and Transmission systems | NA |
| Maintain Instrumentation and Control Systems |  | NEW |
|  | Install security systems | NA |
| Install Hydraulic and Pneumatic System |  | NEW |
| Install Logic Controllers |  | NEW |
|  | Install Radar systems | NA |
| Calibrate Industrial Measurement Instruments |  | NEW |
| Supervise Instrumentation and Control System | Manage instrumentation project | NEW |

EIC 600 J24

| **UNIT TITLE**  **KNP** | **UNIT TITLE**  **CDACC** | **ACTION** |
| --- | --- | --- |
| Apply digital literacy | Demonstrate digital literacy | SA |
| Apply communication skills | Demonstrate communication skills | SA |
| Apply work ethics and practices | Demonstrate employability skills | NEW |
| Apply entrepreneurial skills | Demonstrate entrepreneurial skills | SA |
|  | Demonstrate environmental literacy | NA |
|  | Demonstrate occupational safety and health practices | NA |
| Apply Technician Engineering Mathematics | Apply Engineering mathematics | SA |
| Apply Electrical Principles | Apply Electrical principles | SA |
| Apply Research Methods |  | NEW |
| Apply control systems | Install Control Systems | SA |
| Apply Digital Electronics |  | NEW |
| Apply Analogue Electronics | Demonstrate understanding of Electronics | SA |
| Perform Workshop Processes | Apply workshop processes | SA |
| Perform Electrical Installation |
| Prepare engineering drawings and design | Prepare and interpret Technical Drawing | SA |
| Install Instrumentation System | Establish and optimize process control strategies | NEW |
| Perform Electrical Measurement and Fault Diagnosis | Perform industrial measurement and instrumentation | SA |
| Monitor Control and Instrumentation Systems |  | NEW |
|  | Install Transmission systems | NA |
|  | Maintain instrumentation, Control and Transmission systems | NA |
| Maintain Instrumentation and Control Systems |  | NEW |
|  | Install security systems | NA |
| Install Hydraulic and Pneumatic System |  | NEW |
| Install Logic Controllers |  | NEW |
|  | Install Radar systems | NA |
| Calibrate Industrial Measurement Instruments |  | NEW |
| Supervise Instrumentation and Control System | Manage instrumentation project | NEW |

EIC 600 M24

| **UNIT TITLE**  **KNP** | **UNIT TITLE**  **CDACC** | **ACTION** |
| --- | --- | --- |
| Apply digital literacy | Demonstrate digital literacy | SA |
| Apply communication skills | Demonstrate communication skills | SA |
| Apply work ethics and practices | Demonstrate employability skills | NEW |
| Apply entrepreneurial skills | Demonstrate entrepreneurial skills | NEW |
|  | Demonstrate environmental literacy | NA |
|  | Demonstrate occupational safety and health practices | NA |
| Apply Technician Engineering Mathematics | Apply Engineering mathematics | CONTINUING |
| Apply Electrical Principles | Apply Electrical principles | CONTINUING |
| Apply Research Methods |  | NEW |
| Apply control systems | Install Control Systems | SA |
| Apply Digital Electronics |  | NEW |
| Apply Analogue Electronics | Demonstrate understanding of Electronics | CONTINUING |
| Perform Workshop Processes | Apply workshop processes | SA |
| Perform Electrical Installation |
| Prepare engineering drawings and design | Prepare and interpret Technical Drawing | SA |
| Install Instrumentation System | Establish and optimize process control strategies | NEW |
| Perform Electrical Measurement and Fault Diagnosis | Perform industrial measurement and instrumentation | NEW |
| Monitor Control and Instrumentation Systems |  | NEW |
|  | Install Transmission systems | NA |
|  | Maintain instrumentation, Control and Transmission systems | NA |
| Maintain Instrumentation and Control Systems |  | NEW |
|  | Install security systems | NA |
| Install Hydraulic and Pneumatic System |  | NEW |
| Install Logic Controllers |  | NEW |
|  | Install Radar systems | NA |
| Calibrate Industrial Measurement Instruments |  | NEW |
| Supervise Instrumentation and Control System | Manage instrumentation project | NEW |