**THE NYERI NATIONAL POLYTECHNIC**

**MODULAR CURRICULUM IMPLEMENTATION COURSE PLANNER**

**PROGRAMME: INSTRUMENTATION AND CONTROL TECHNOLOGY LEVEL 5 PROGRAMME CODE: 0714 454A**

**MODULAR UNIT SUMMARY**

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| **MODULE** | **UNITS** | | | |
| **UNIT CATEGORY** | **UNIT CODE** | **UNIT NAME** | **DURATION (Hours)** |
| **ONE (I)** | CORE | 0713 351 13A | Electrical Installation | 80 |
| CORE | 0714 351 14A | Instrumentation And Control System Components installation | 160 |
|  |  | **Sub-total** | **240 HRS** |
| **TWO (2)** | CORE | 0714 351 15A | Instrumentation And Control System Operations | 160 |
| CORE | 0714 351 16A | Instrumentation And Control System Maintenance | 160 |
|  |  | **Sub-total** | **320 HRS** |
| **THREE (3)** | BASIC | 0611 451 01A | Digital literacy | 40 |
| COMMON | 0732 451 06A | Engineering drawing | 60 |
| COMMON | 0713 451 07A | Electrical principles | 120 |
| CORE | 0714 451 08A | Electronic circuit fabrication | 120 |
| CORE | 0715 451 19A | Hydraulic and pneumatic system installation | 120 |
|  |  | **Sub-total** | **460 HRS** |
| **FOUR (4)** |  | 0031 451 02B | Communication skills | 40 |
| BASIC | 0417 451 03B | Work ethics and practices | 40 |
| BASIC | 0413 451 04B | Entrepreneurial skills | 40 |
| COMMON | 0541 451 05A | Basic mathematics | 80 |
| CORE | 0714 451 17A | Logic Controllers Installation | 120 |
| CORE | 0713 451 20A | Electrical machines installation | 120 |
|  |  | **Sub-total** | **440 HRS** |
| **Industrial Training** | | | | **480 HRS** |
| **GRAND TOTAL** | | | | **1940 HRS** |