



**Format NCP  
NEW ACADEMIC CERTIFICATE PROGRAM PROPOSAL**

**I. Rational**

To create required program description and program learning outcome(s) for the Industrial Control Technology Certificate Program.

**II. Academic Certificate Program Description**

The certificate program is designed to provide students with technical knowledge and skills in service and repair of industrial devices, control and equipment. It also includes wiring and programming the microcontroller, robot assembly and operation, and programming the programmable logic controller.

**III. Academic Certificate Program Learning Outcomes**

Upon completion of the certificate program, students will be able to:

1. Service and repair industrial devices, control, and equipment.

**IV. Curricular Content**

| <u>Course No</u> | <u>Title</u>   | <u>Credits</u> |
|------------------|--|----------------|
| GE 113           | Computer Operating Systems                           | 3              |
| GE 114           | Basic Electronics                                    | 3              |
| GE 115           | Electronic Tools, Test<br>Instruments & Measurements | 3              |
| GE 116           | Microcontroller                                      | 3              |
| GE 124           | Analog Circuits & Applications                       | 3              |
| GE 128           | Robotic 1  | 3              |
| GE 212           | Robotic 2  | 3              |
| GE 217           | Industrial Control Technology                        | <u>3</u>       |
|                  | <b>Total credits required</b>                        | <b>24</b>      |



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Program Name: Industrial Control Technology

Proposed first offering: Fall  
Semester

2016  
School Year

Proposed by: [Signature]  
Joel G. Yabes, GE Instructor

Date: 4/8/16

Endorsed by: [Signature]  
Jerry Taroy, ET Instructor

Date: 4/8/16

Note: An endorser should be a member of a respective advisory committee or has expertise in the field

Approvals:

[Signature]  
Chairperson  
Committee on Programs & Curricula

5/23/16  
Date

[Signature]  
Dean of Academic Affairs

5/23/16  
Date

Sign for: [Signature]  
Vice President  
Education & Training

5/23/16  
Date

[Signature]  
President  
Palau Community College

5/30/2016  
Date

[Signature]  
Chairperson  
Board of Trustees

5/31/16  
Date