



COLLEGE OF INDUSTRIAL TECHNOLOGY
Bachelor of Industrial Technology
Electronics Technology
Academic Year 2018-2019
Reference: CMO No. 20 S. 2013

Name: Angelo Kim Espina
Student Number: 18-00008

| Final Grade | Course Code | Course Title | Unit/s | Hours | | Pre-Requisite/s | Co-Requisite/s |
|-------------|-------------|--------------|--------|-------|-----|-----------------|----------------|
| | | | | Lec | Lab | | |

FIRST YEAR
First Semester

| | | | | | | | |
|-----------|----------|---|----|----|----|---|----------------------|
| 1.25 | AST 111 | Math for Technology | 3 | 3 | - | - | AST 110 |
| 1.50 | AST 102 | Applied Chemistry | 3 | 2 | 3 | - | - |
| 1.50 | AST 105 | Applied Physics | 3 | 2 | 3 | - | - |
| 1.75 | AST 133 | Production Drawing | 2 | 1 | 3 | - | AST 135 |
| 1.50 | AST 129 | Electronics Measurements | 2 | 1 | 3 | - | - |
| 2.00 | AST 112 | Electrical Principles | 3 | 2 | 3 | - | - |
| 1.75 | PM 101 | Occupational Health and Safety Management | 2 | 2 | - | - | - |
| INC, 3.00 | ELX 111 | Introduction to Semiconductor Devices | 3 | 2 | 3 | - | ELX 121,ELX 122 |
| 1.50 | NSTP 111 | National Service Training Program 1 | 3 | 3 | - | - | NSTP 121 |
| 2.75 | PE 101 | Physical Fitness, Gymnastics and Aerobics | 2 | 2 | - | - | PE 102,PE 103,PE 104 |
| TOTAL | | | 26 | 20 | 18 | | |

FIRST YEAR
Second Semester

| | | | | | | | |
|------------|----------|---|----|----|---|----------|-----------------|
| 1.25 | GEd 101 | Understanding the Self | 3 | 3 | - | - | - |
| 1.75 | GEd 102 | Mathematics in the Modern World | 3 | 3 | - | - | AST 110 |
| 2.50 | GEd 106 | Purposive Communication | 3 | 3 | - | - | - |
| 1.00 | GEd 109 | Science, Technology and Society | 3 | 3 | - | - | - |
| 5.00, 3.00 | AST 135 | Computer Aided Design | 2 | 1 | 3 | AST 133 | - |
| 1.75 | ELX 121 | Electronic Amplifiers and Integrated Circuits | 3 | 2 | 3 | ELX 111 | ELX 211,ELX 212 |
| 1.50 | ELX 122 | Digital Logic Circuits and Switching | 3 | 2 | 3 | ELX 111 | AST 120,ELX 211 |
| 1.75 | NSTP 121 | National Service Training Program 2 | 3 | 3 | - | NSTP 111 | - |
| 1.75 | PE 102 | Rhythmic Activities | 2 | 2 | - | PE 101 | - |
| TOTAL | | | 25 | 22 | 9 | | |

SECOND YEAR
First Semester

| | | | | | | | |
|-------|----------|---|----|----|----|------------------|-------------------------|
| 2.25 | GEd 103 | The Life and Works of Rizal | 3 | 3 | - | - | - |
| 2.00 | GEd 104 | The Contemporary World | 3 | 3 | - | - | - |
| 1.75 | Fili 101 | Kontekstwalisadong Komunikasyon sa Filipino | 3 | 3 | - | - | - |
| 1.50 | PM 102 | Industrial Operation & Management Practices | 3 | 3 | - | - | - |
| 1.25 | AST 134 | Computer Programming | 3 | 2 | 3 | - | - |
| 3.00 | AST 120 | Programmable Logic Control | 3 | 2 | 3 | ELX 122 | - |
| 1.50 | ELX 211 | Electronics Workshop I | 3 | 2 | 3 | ELX 122, ELX 121 | ELX 224 |
| 1.50 | ELX 212 | Industrial Electronics | 3 | 2 | 3 | ELX 121 | ELX 221,ELX 222,ELX 223 |
| 1.50 | PE 103 | Individual and Dual Sports | 2 | 2 | - | PE 101 | - |
| TOTAL | | | 26 | 22 | 12 | | |

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|-------------|-------------|--------------|--------|-------|-----|-----------------|----------------|
| | | | | Lec | Lab | | |

SECOND YEAR
Second Semester

| | | | | | | | |
|-------|----------|--------------------------------------|----|----|----|------------------|-------------------------------|
| 1.50 | Fili 102 | Filipino sa Iba't-ibang Disiplina | 3 | 3 | - | - | - |
| 2.00 | GEd 107 | Ethics | 3 | 3 | - | - | - |
| 1.50 | PM 103 | Production and Operations Management | 3 | 3 | - | - | - |
| 1.50 | AST 110 | Data Analytics | 3 | 3 | - | GEd 102, AST 111 | - |
| 1.25 | ELX 221 | Analog Communication Systems | 3 | 2 | 3 | ELX 212 | PM 104,PM 105,ELX 311,ELX 312 |
| 1.25 | ELX 222 | Microcomputer Systems | 3 | 2 | 3 | ELX 212 | PM 104,PM 105 |
| 1.75 | ELX 223 | Automatic Controls | 3 | 2 | 3 | ELX 212 | PM 104,PM 105 |
| 1.50 | ELX 224 | Electronics Workshop II | 3 | 2 | 3 | ELX 211 | PM 104,PM 105 |
| 1.25 | PE 104 | Team Sports | 2 | 2 | - | PE 101 | - |
| TOTAL | | | 26 | 22 | 12 | | |

THIRD YEAR
First Semester

| | | | | | | | |
|---------|----------|--|----|----|---|------------------------------------|---------|
| 1.75 | Litr 102 | ASEAN Literature | 3 | 3 | - | - | - |
| 2.00 | GEd 105 | Readings in Philippine History | 3 | 3 | - | - | - |
| 1.75 | PM 104 | Technology Research I | 3 | 3 | - | ELX 221, ELX 222, ELX 223, ELX 224 | - |
| 1.50 | PM 105 | Materials Technology Management | 3 | 3 | - | ELX 221, ELX 222, ELX 223, ELX 224 | - |
| Dropped | PM 106 | Professional Ethics | 3 | 3 | - | - | - |
| 2.25 | ELX 311 | Wireless and Satellite Communication Systems | 3 | 2 | 3 | ELX 221 | ELX 321 |
| 2.00 | ELX 312 | Plant Safety Network | 3 | 2 | 3 | ELX 221 | ELX 321 |
| TOTAL | | | 21 | 19 | 6 | | |

THIRD YEAR
Second Semester

| | | | | | | | |
|-------|---------|------------------------------|----|----|---|------------------|-------|
| | GEd 108 | Art Appreciation | 3 | 3 | - | - | - |
| | PM 107 | Technology Research II | 3 | 3 | - | Regular 3rd Year | - |
| | PM 108 | Manufacturing Technology | 3 | 3 | - | - | - |
| | PM 109 | Total Quality Management | 3 | 3 | - | - | - |
| | PM 110 | Environmental Technology | 3 | 3 | - | - | - |
| | PM 111 | Technopreneurship | 3 | 3 | - | - | - |
| | ELX 321 | Totally Integrated Automatic | 3 | 2 | 3 | ELX 311, ELX 312 | OJT 1 |
| TOTAL | | | 21 | 20 | 3 | | |

FOURTH YEAR
First Semester

| | | | | | | | |
|-------|-------|---|----|---|----|---------|-------|
| | OJT 1 | Supervised Industrial Training 1 (540hrs) | 10 | - | 10 | ELX 321 | OJT 2 |
| TOTAL | | | 10 | - | 10 | | |

FOURTH YEAR
Second Semester

| | | | | | | | |
|-------|-------|---|----|---|----|-------|---|
| | OJT 2 | Supervised Industrial Training 2 (540hrs) | 10 | - | 10 | OJT 1 | - |
| TOTAL | | | 10 | - | 10 | | |