

Total Units: 26.0

Total Units: 29.0

BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING (BS ECE)
EFFECTIVE YEAR 2018

| | | | YEAR LEVEL: 2 1ST SEMESTER | | | |
|-------------------|--------------|--|----------------------------|-------------------------------|--------------------|---|
| # | COURSE CODE | COURSE DESCRIPTION | UNITS | PRE-REQUISITES | CO-REQUISITES | EQUIVALENTS |
| 1 | ECE 2101 | ELECTRONIC DEVICES AND CIRCUITS | 3.0 | EM 1202, ECE 1100L, PHYS 1236 | EE 2101, ECE 2101L | |
| 2 | ECE 2101L | ELECTRONIC DEVICES AND CIRCUITS LABORATORY | 1.0 | EM 1202, ECE 1100L, PHYS 1236 | EE 2101, ECE 2101 | EEA 2206L |
| 3 | EDM 2 | THE MISSION OF PROPHETIC DIALOGUE | 3.0 | EDM 1 | | |
| 4 | EE 2101 | CIRCUITS 1 | 3.0 | EM 1202, ECE 1100L, PHYS 1236 | EE 2101L | |
| 5 | EE 2101L | CIRCUITS 1 LABORATORY | 1.0 | EM 1202, ECE 1100L, PHYS 1236 | EE 2101 | |
| 6 | EM-DEEE | DIFFERENTIAL EQUATIONS WITH EEE APPLICATIONS | 3.0 | EM 1202 | | |
| 7 | ES-CAD | COMPUTER-AIDED DRAFTING | 1.0 | | | |
| 8 | ES-ECON | ENGINEERING ECONOMICS | 3.0 | EM 1203 | | |
| 9 | GE-FREELEC 1 | GENERAL EDUCATION FREE ELECTIVES 1 | 3.0 | | | GE-FEL US, GE-FEL ITCCD, GE-FEL EL, GE-FEL OMDL, GE-FEL ISE, GE-FEL LSC, GE-FEL CCC, GE-FEL EO, GE-FEL HLT, GE-FEL EC, GE-FEL WW, GE-FEL TIMI3DP, GE-FEL RME, GE-FEL SISJPS, GE-FEL LKSD, GE-FEL EOT, GE-FEL TFL, GE-FEL MDW, GE-FEL CLCT, GE-FEL LTAR, GE-FEL CCW, GE-FEL IMW, GE-FEL BCIED, GE-FEL TIL, GE-FEL EW-AYG, GE-FEL EIOT, GE-FEL LTSO, GE-FEL TS, GE-FEL HAFH, GE-FEL EEL, GE-FEL BEMF, GE-FEL INVEST101, GE-FEL HPPE, GE-FEL BNBCBW, GE-FEL ACE, GE-FEL DP101, GE-FEL AMSR, GE-FEL DWIADS, GE-FEL SP, GE-FEL MDKWST, GE-FEL TP, GE-FEL TPDD, GE-FEL JSM, GE-FEL CEHDES, GE-FEL PTGMP, GE-FEL PAWC, GE-FEL ULP, GE-FEL SA, GE-FEL HR101, GE-FEL RC, GE-FEL MH-TBCY, GE-FEL AFVC, GE-FEL HWB, GE-FEL EP, GE-FEL ESUR, GE-FEL MCB101, GE-FEL LFB8B101, GE-FEL TCDP, GE-FEL TAPOD, GE-FEL RSAPE, GE-FEL WPWRFTP, GE-FEL HCAT, GE-FEL PH, GE-FEL HE, GE-FEL CTPT, GE-FEL CUEAFP, GE-FEL PWL |
| 10 | GE-FREELEC 2 | GENERAL EDUCATION FREE ELECTIVES 2 | 3.0 | | | GE-FEL US, GE-FEL ITCCD, GE-FEL EL, GE-FEL OMDL, GE-FEL ISE, GE-FEL LSC, GE-FEL CCC, GE-FEL EO, GE-FEL HLT, GE-FEL EC, GE-FEL WW, GE-FEL TIMI3DP, GE-FEL RME, GE-FEL SISJPS, GE-FEL LKSD, GE-FEL EOT, GE-FEL TFL, GE-FEL MDW, GE-FEL CLCT, GE-FEL LTAR, GE-FEL CCW, GE-FEL IMW, GE-FEL BCIED, GE-FEL TIL, GE-FEL EW-AYG, GE-FEL EIOT, GE-FEL LTSO, GE-FEL TS, GE-FEL HAFH, GE-FEL EEL, GE-FEL BEMF, GE-FEL INVEST101, GE-FEL HPPE, GE-FEL BNBCBW, GE-FEL ACE, GE-FEL DP101, GE-FEL AMSR, GE-FEL DWIADS, GE-FEL SP, GE-FEL MDKWST, GE-FEL TP, GE-FEL TPDD, GE-FEL JSM, GE-FEL CEHDES, GE-FEL PTGMP, GE-FEL PAWC, GE-FEL ULP, GE-FEL SA, GE-FEL HR101, GE-FEL RC, GE-FEL MH-TBCY, GE-FEL AFVC, GE-FEL HWB, GE-FEL EP, GE-FEL ESUR, GE-FEL MCB101, GE-FEL LFB8B101, GE-FEL TCDP, GE-FEL TAPOD, GE-FEL RSAPE, GE-FEL WPWRFTP, GE-FEL HCAT, GE-FEL PH, GE-FEL HE, GE-FEL CTPT |
| 11 | GE-RPH | READINGS IN PHILIPPINE HISTORY | 3.0 | | | |
| 12 | TPE 2103 | PATH-FIT III - MOVEMENT EDUCATION 1 | 2.0 | TPE 1202 | | |
| Total Units: 29.0 | | | | | | |

BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING (BS ECE)
EFFECTIVE YEAR 2018

| YEAR LEVEL: 2 2ND SEMESTER | | | | | | |
|----------------------------|-------------|---|-------|--|---------------|-------------|
| # | COURSE CODE | COURSE DESCRIPTION | UNITS | PRE-REQUISITES | CO-REQUISITES | EQUIVALENTS |
| 1 | ECE 2202 | ADVANCED ENGINEERING MATHEMATICS FOR ECE | 3.0 | EM-DEEE | ECE 2202L | |
| 2 | ECE 2202L | ADVANCED ENGINEERING MATHEMATICS FOR ECE LABORATORY | 1.0 | EM-DEEE | ECE 2202 | |
| 3 | ECE 2203 | ELECTRONIC CIRCUIT ANALYSIS AND DESIGN 1 | 3.0 | EE 2101, ECE 2101, EE 2101L, ECE 2101L | ECE 2203L | |
| 4 | ECE 2203L | ELECTRONIC CIRCUIT ANALYSIS AND DESIGN 1 LABORATORY | 1.0 | EE 2101, ECE 2101, EE 2101L, ECE 2101L | ECE 2203 | |
| 5 | ECE 2204 | PRINCIPLES OF COMMUNICATIONS SYSTEMS | 3.0 | EE 2101, ECE 2101, EE 2101L, ECE 2101L | ECE 2204L | |
| 6 | ECE 2204L | PRINCIPLES OF COMMUNICATIONS SYSTEMS LABORATORY | 1.0 | EE 2101, ECE 2101, EE 2101L, ECE 2101L | ECE 2204 | |
| 7 | ECE 2205 | ELECTROMAGNETICS | 4.0 | EM-DEEE | | |
| 8 | ECEA 2203 | ENVIRONMENTAL SCIENCE AND ENGINEERING | 3.0 | CHEM 1103 | | |
| 9 | EE 2202A | CIRCUITS 2 FOR ECE | 3.0 | EE 2101, EE 2101L | EE 2202AL | |
| 10 | EE 2202AL | CIRCUITS 2 FOR ECE LABORATORY | 1.0 | EE 2101, EE 2101L | EE 2202A | |
| 11 | TPE 2204 | PATH-FIT IV - MOVEMENT EDUCATION 2 | 2.0 | TPE 1202 | | |
| Total Units: 25.0 | | | | | | |

| # | COURSE CODE | COURSE DESCRIPTION | YEAR LEVEL: 3 1ST SEMESTER | | | |
|-------------------|--------------|--|----------------------------|--|---------------|--|
| | | | UNITS | PRE-REQUISITES | CO-REQUISITES | EQUIVALENTS |
| 1 | ECE 3106 | LOGIC CIRCUITS AND SWITCHING THEORY | 3.0 | ECE 2101, ECE 2101L | ECE 3106L | |
| 2 | ECE 3106L | LOGIC CIRCUITS AND SWITCHING THEORY LABORATORY | 1.0 | ECE 2101, ECE 2101L | ECE 3106 | |
| 3 | ECE 3107 | SIGNAL, SPECTRA AND SIGNAL PROCESSING | 3.0 | ECE 2202, ECEA 1202L, ECE 2202L, EE 2202A, EE 2202AL | ECE 3107L | |
| 4 | ECE 3107L | SIGNAL, SPECTRA AND SIGNAL PROCESSING LABORATORY | 1.0 | ECE 2202, ECEA 1202L, ECE 2202L, EE 2202A, EE 2202AL | ECE 3107 | |
| 5 | ECE 3108L | ELECTRONIC CIRCUIT ANALYSIS AND DESIGN 2 | 1.0 | ECE 2203, ECE 2203L | | |
| 6 | ECE 3109 | MODULATION AND CODING TECHNIQUES | 3.0 | ECE 2204, ECE 2204L | ECE 3109L | |
| 7 | ECE 3109L | MODULATION AND CODING TECHNIQUES LABORATORY | 1.0 | ECE 2204, ECE 2204L | ECE 3109 | |
| 8 | ECEA 3104 | MATERIAL SCIENCE AND ENGINEERING | 3.0 | CHEM 1103, PHYS 1235 | | |
| 9 | ES-MGMT | ENGINEERING MANAGEMENT | 2.0 | ES-ECON | | |
| 10 | ES-TECHPRE | TECHNOPRENEURSHIP | 3.0 | | | |
| 11 | GE-FREELEC 3 | GENERAL EDUCATION FREE ELECTIVES 3 | 3.0 | | | GE-FEL US, GE-FEL ITCCD, GE-FEL EL, GE-FEL OMDL, GE-FEL ISE, GE-FEL LSC, GE-FEL CCC, GE-FEL EO, GE-FEL HLT, GE-FEL EC, GE-FEL WW, GE-FEL TIMI3DP, GE-FEL RME, GE-FEL SISJPS, GE-FEL LKSD, GE-FEL EOT, GE-FEL TFL, GE-FEL MDW, GE-FEL CLCT, GE-FEL LTAR, GE-FEL CCW, GE-FEL IMW, GE-FEL BCIED, GE-FEL TIL, GE-FEL EW-AYG, GE-FEL EIOT, GE-FEL LTSO, GE-FEL TS, GE-FEL HAFH, GE-FEL EEL, GE-FEL BEMF, GE-FEL INVEST101, GE-FEL HPPE, GE-FEL BNBCBW, GE-FEL ACE, GE-FEL DP101, GE-FEL AMSR, GE-FEL DWIADS, GE-FEL SP, GE-FEL MDKWST, GE-FEL TP, GE-FEL TPDD, GE-FEL JSM, GE-FEL CEHDES, GE-FEL PTGMP, GE-FEL PAWC, GE-FEL ULP, GE-FEL SA, GE-FEL HR101, GE-FEL RC, GE-FEL MH-TBCY, GE-FEL AFVC, GE-FEL HWB, GE-FEL EP, GE-FEL ESUR, GE-FEL MCB101, GE-FEL LFB8B101, GE-FEL TCDP, GE-FEL TAPOD, GE-FEL RSAPE, GE-FEL WPWRFTP, GE-FEL HCAT, GE-FEL PH, GE-FEL HE, GE-FEL CTPT |
| Total Units: 24.0 | | | | | | |

| | | | YEAR LEVEL: 3 2ND SEMESTER | | | |
|--------------|-------------|--|----------------------------|--------------------------------|---------------|-------------|
| # | COURSE CODE | COURSE DESCRIPTION | UNITS | PRE-REQUISITES | CO-REQUISITES | EQUIVALENTS |
| 1 | ECE 3210 | METHODS OF RESEARCH | 3.0 | GE-PC | | |
| 2 | ECE 3211 | FEEDBACK AND CONTROL SYSTEMS | 3.0 | ECE 2202, ECE 3108L, ECE 2202L | ECE 3211L | |
| 3 | ECE 3211L | FEEDBACK AND CONTROL SYSTEMS LABORATORY | 1.0 | ECE 2202, ECE 3108L, ECE 2202L | ECE 3211 | |
| 4 | ECE 3212 | MICROPROCESSOR AND MICROCONTROLLER SYSTEMS AND DESIGN | 3.0 | ECE 3106, ECE 3106L | ECE 3212L | |
| 5 | ECE 3212L | MICROPROCESSOR AND MICROCONTROLLER SYSTEMS AND DESIGN LABORATORY | 1.0 | ECE 3106, ECE 3106L | ECE 3212 | |
| 6 | ECE 3213 | TRANSMISSION MEDIA, ANTENNA SYSTEM AND DESIGN | 3.0 | ECE 3109, ECE 3109L | ECE 3213L | |
| 7 | ECE 3213L | TRANSMISSION MEDIA, ANTENNA SYSTEM AND DESIGN LABORATORY | 1.0 | ECE 3109, ECE 3109L | ECE 3213 | |
| 8 | ECE 3214L | INTRODUCTION TO MICROELECTRONICS | 1.0 | ECE 3108L | | |
| 9 | ECE 3215 | ELECTRONIC SYSTEMS AND DESIGN | 3.0 | ECE 3108L | ECE 3215L | |
| 10 | ECE 3215L | ELECTRONIC SYSTEMS AND DESIGN LABORATORY | 1.0 | ECE 3108L | ECE 3215 | |
| 11 | GE-ART | ART APPRECIATION | 3.0 | | | |
| Total Units: | | | 23.0 | | | |

| # | COURSE CODE | COURSE DESCRIPTION | YEAR LEVEL: 3 SUMMER | | | |
|------------------|-------------|---------------------------|----------------------|---------------------------------------|---------------|--|
| | | | UNITS | PRE-REQUISITES | CO-REQUISITES | EQUIVALENTS |
| 1 | ECE 3316L | RESEARCH PROJECT 1 | 1.0 | ES-ECON, ECE 3109, ECE 3212, ECE 3215 | | |
| 2 | ECE ELEC 1 | ECE ELECTIVE 1 | 3.0 | 4TH YEAR STANDING | | ECEL 3311, ECEL 3312, ECEL 3321, ECEL 3322, ECEL 3331, ECEL 3332, ECEL 3333 |
| 3 | ECE ELEC 1L | ECE ELECTIVE 1 LABORATORY | 1.0 | 4TH YEAR STANDING | | ECEL 3311L, ECEL 3312L, ECEL 3321L, ECEL 3322L, ECEL 3331L, ECEL 3332L, ECEL 3333L |
| Total Units: 5.0 | | | | | | |

| # | COURSE CODE | COURSE DESCRIPTION | YEAR LEVEL: 4 1ST SEMESTER | | | |
|-------------------|-------------|--|----------------------------|---------------------|---------------|--|
| | | | UNITS | PRE-REQUISITES | CO-REQUISITES | EQUIVALENTS |
| 1 | ECE 4117 | ECE LAWS, CONTRACTS, ETHICS AND SAFETY | 3.0 | 4TH YEAR STANDING | | |
| 2 | ECE 4118L | RESEARCH PROJECT 2 | 2.0 | ECE 3316L | | |
| 3 | ECE 4119L | MECHATRONICS | 1.0 | ECE 3215 | | |
| 4 | ECE 4120L | ECE REVIEW | 1.0 | 4TH YEAR STANDING | | |
| 5 | ECE 4121L | SEMINARS/COLLOQUIUM | 1.0 | 4TH YEAR STANDING | | |
| 6 | ECE 4122 | DATA COMMUNICATIOANS | 3.0 | ECE 3109, ECE 3109L | ECE 4122L | |
| 7 | ECE 4122L | DATA COMMUNICATIOANS LABORATORY | 1.0 | ECE 3109, ECE 3109L | ECE 4122 | |
| 8 | ECE ELEC 2 | ECE ELECTIVE 2 | 3.0 | 4TH YEAR STANDING | | ECEL 4113, ECEL 4114, ECEL 4123, ECEL 4124, ECE 4125, ECEL 4133, ECEL 4134, ECEL 4135, ECEL 4136 |
| 9 | ECE ELEC 2L | ECE ELECTIVE 2 LABORATORY | 1.0 | 4TH YEAR STANDING | | ECEL 4113L, ECEL 4114L, ECEL 4123L, ECEL 4124L, ECEL 4133L, ECEL 4134L, ECEL 4135L, ECEL 4136L |
| 10 | GE-LWR | RIZAL, LIFE AND WORKS | 3.0 | | | |
| Total Units: 19.0 | | | | | | |

| | | | YEAR LEVEL: 4 2ND SEMESTER | | | |
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| # | COURSE CODE | COURSE DESCRIPTION | UNITS | PRE-REQUISITES | CO-REQUISITES | EQUIVALENTS |
| 1 | ECE 4223 | ELECTRONICS ENGINEERING INDUSTRY INTERNSHIP | 5.0 | ECE 3316L, ECE 4117, ECE 4121L, ECE 4122 | | |
| | | | Total Units: 5.0 | | | |