

**De La Salle University-Manila**  
**College of Computer Studies**  
**Bachelor of Science in Computer Science Major in Computer Systems Engineering**  
**COURSE CHECKLIST AY 2011-2015**

**ACADEMIC YEAR 2011-2012**

| FIRST TERM   |  |        |                     |              |
|--------------|--|--------|---------------------|--------------|
| SUBJECTS     | COURSE TITLE                                     | UNITS  | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
| FILKOMU      | KOMUNIKASYON SA FILIPINOHIYA                     | 3      |                     |              |
| BASICON      | BASIC COMPUTER CONCEPTS                          | 3      |                     |              |
| COMPRO1      | INTRODUCTION TO COMPUTER PROGRAMMING 1           | 3      |                     |              |
| CCSALGE      | COLLEGE ALGEBRA FOR CCS STUDENTS                 | 2      |                     |              |
| FWSPORT      | PHYSICAL FITNESS & WELLNESS IN INDIVIDUAL SPORTS | 2      |                     |              |
| PERSEF1      | PERSONAL EFFECTIVENESS 1                         | (2)    |                     |              |
| SCIMATC      | NATURAL SCIENCE NEW MATERIALS TRACK- CHEM LEC    | 1      |                     |              |
| LBYMATC      | NATURAL SCIENCE NEW MATERIALS TRACK- CHEM LAB    | 1      |                     |              |
| <b>TOTAL</b> |  | 15 (2) |                     |              |

**SECOND TERM**

| SUBJECTS     | COURSE TITLE                                | UNITS    | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
|--------------|---|----------|---------------------|--------------|
| FILDLAR      | PAGBASA AT PAGSULAT SA IBAT-IBANG DISIPLINA | 3        | FILKOMU             |              |
| SOCTEC1      | SCIENCE, TECHNOLOGY & SOCIETY 1             | 3        |                     |              |
| COMPRO2      | ADVANCED C PROGRAMMING                      | 3        | COMPRO1             |              |
| CCSTRIG      | COLLEGE TRIGONOMETRY FOR CCS STUDENTS       | 2        | CCSALGE             |              |
| DISCTRU      | DISCRETE STRUCTURES                         | 3        | CCSALGE             |              |
| FWDANCE      | PHYSICAL FITNESS & WELLNESS IN DANCE        | 2        |                     |              |
| FORMDEV      | FORMATION & DEVELOPMENT                     | (0.5)    |                     |              |
| LASARE1      | LASALLIAN RECOLLECTION 1                    | 0        |                     |              |
| <b>TOTAL</b> |   | 16 (0.5) |                     |              |

**THIRD TERM**

| SUBJECTS     | COURSE TITLE                         | UNITS | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
|--------------|--------------------------------------|-------|---------------------|--------------|
| TREDONE      | HUMANITY'S SEARCH FOR LIFE           | 3     |                     |              |
| ENGLCOM      | BASIC COMMUNICATION AND STUDY SKILLS | 3     |                     |              |
| OBJECTP      | OBJECT ORIENTED PROG'G WITH JAVA     | 3     | COMPRO2             |              |
| CCSCAL1      | CALCULUS 1 FOR CCS STUDENTS          | 3     | CCSALGE             |              |
| DASALGO      | INTRO TO DATA STRUCTURE & ALGORITHMS | 3     | (COMPRO2, DISCTRU)  |              |
| FWTEAMS      | FITNESS & WELLNESS IN TEAM SPORTS    | 2     |                     |              |
| <b>TOTAL</b> |                                      | 17    |                     |              |

**ACADEMIC YEAR 2012-2013**

| FIRST TERM   |  |       |                     |              |
|--------------|--|-------|---------------------|--------------|
| SUBJECTS     | COURSE TITLE                               | UNITS | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
| TREDTWO      | THE FILIPINO CHRISTIAN IN A CHANGING WORLD | 3     | TREDONE             |              |
| SPEECOM      | ORAL COMMUNICATION/ADVANCED SPEECH CLASS   | 3     | ENGLCOM             |              |
| COMPASM      | COMPUTER PROGRAMMING IN ASSEMBLY LANGUAGE  | 3     | BASICON             |              |
| CCSCAL2      | CALCULUS 2 FOR CCS STUDENTS                | 3     | CCSCAL1             |              |
| NTANALY      | AC/DC NETWORK ANALYSIS                     | 3     | CCSALGE             | LBYNTAN      |
| LBYNTAN      | LABORATORY FOR AC/DC NETWORK ANALYSIS      | 1     | CCSALGE             | NTANALY      |
| LASARE2      | LASALLIAN RECOLLECTION 2                   | 0     | LASARE1             |              |
| PERSEF2      | PERSONAL EFFECTIVENESS 2                   | (2)   | PERSEF1             |              |
| <b>TOTAL</b> |  | 16(2) |                     |              |

**SECOND TERM**

| SUBJECTS     | COURSE TITLE                                      | UNITS  | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
|--------------|---|--------|---------------------|--------------|
| INTRODB      | INTRODUCTION TO DATABASES                         | 3      | COMPRO2             |              |
| COMALGO      | THEORY OF COMPUTATION AND ALGORITHM ANALYSIS      | 3      | DASALGO             |              |
| BASELEC      | BASIC ELECTRONIC CIRCUIT                          | 3      | NTANALY, LBYNTAN    | LBYBELC      |
| LBYBELC      | LABORATORY FOR BASIC ELECTRONICS                  | 1      | NTANALY, LBYNTAN    | BASELEC      |
| DIGITAL      | DIGITAL ELECTRONICS                               | 3      | NTANALY, LBYNTAN    | LBYDIGT      |
| LBYDIGT      | LABORATORY FOR DIGITAL DESIGN                     | 1      | NTANALY, LBYNTAN    | DIGITAL      |
| SCIMATP      | NATURAL SCIENCE NEW MATERIALS TRACK - PHYSICS LEC | 2      |                     |              |
| NSTP-01      | NATIONAL SERVICE TRAINING PROGRAM PHASE 1         | (3)    |                     |              |
| <b>TOTAL</b> |   | 16 (3) |                     |              |

**THIRD TERM**

| SUBJECTS     | COURSE DESCRIPTION                                   | UNITS  | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
|--------------|--|--------|---------------------|--------------|
| ENGLRES      | BASIC RESEARCH SKILLS/ENGLISH FOR SPECIFIC PURPOSE   | 3      | ENGLCOM             |              |
| COMPORG      | FUNDAMENTALS OF COMPUTER ORGANIZATION & ARCHITECTURE | 3      | (COMPASM)           |              |
| CT-MATH      | MATHEMATICS FOR CSE/NE                               | 3      | CCSCAL2             |              |
| ELECOMM      | BASIC ELECTRONIC COMMUNICATIONS SYSTEM               | 3      | BASELEC, LBYBELC    | LBYELCM      |
| LBYELCM      | LAB FOR ELECTRONIC COMMUNICATION                     | 1      | BASELEC, LBYBELC    | ELECOMM      |
| LINCIRC      | LINEAR CIRCUITS AND APPLICATIONS                     | 3      | BASELEC, LBYBELC    | LBYLINC      |
| LBYLINC      | LABORATORY FOR LINEAR CIRCUITS                       | 1      | BASELEC, LBYBELC    | LINCIRC      |
| NSTP-02      | NATIONAL SERVICE TRAINING PROGRAM PHASE 2            | (3)    | NSTP-01             |              |
| <b>TOTAL</b> |  | 17 (3) |                     |              |

**ACADEMIC YEAR 2013-2014**

| FIRST TERM   |  |       |                                    |              |
|--------------|--|-------|------------------------------------|--------------|
| SUBJECTS     | COURSE TITLE                             | UNITS | PRE-REQ.(SOFT-REQ.)                | CO-REQUISITE |
| TREDTRI      | THE CHRISTIAN AND THE WORD               | 3     | TREDTWO                            |              |
| SOCTEC2      | SCIENCE, TECHNOLOGY AND SOCIETY 2        | 3     | SOCTEC1                            |              |
| INTROSE      | INTRODUCTION TO SOFTWARE ENGINEERING     | 3     | INTRODB, OBJECTP                   |              |
| NTOORE1      | NETWORK FUNDAMENTALS                     | 3     |                                    |              |
| MICPRC1      | MICROPROCESSOR INTERFACING 1             | 3     | LINCIRC, LBYLINC, DIGITAL, LBYDIGT | LBYMCP1      |
| LBYMCP1      | LAB FOR MICROPROCESSOR/MICROCONTROLLER 1 | 1     | LINCIRC, LBYLINC, DIGITAL, LBYDIGT | MICPRC1      |
| <b>TOTAL</b> |  | 16    |                                    |              |

**SECOND TERM**

| SUBJECTS     | COURSE TITLE                            | UNITS | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
|--------------|---|-------|---------------------|--------------|
| COMPARC      | COMPUTER ARCHITECTURE                   | 3     | COMPORG             |              |
| INTROOS      | INTRO TO OPERATING SYSTEMS              | 3     | COMPORG             |              |
| BASCDSP      | BASIC DIGITAL SIGNAL PROCESSING         | 3     | CT-MATH             |              |
| CSELEC1      | COMPUTER SYSTEMS ENGINEERING ELECTIVE 1 | 3     |                     |              |
| SPELEC1      | SPECIAL ELECTIVE 1                      | 3     |                     |              |
| <b>TOTAL</b> |   | 15    |                     |              |

**THIRD TERM**

| SUBJECTS     | COURSE TITLE                                  | UNITS | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
|--------------|---|-------|---------------------|--------------|
| CTRESME      | CSE RESEARCH AND METHODS                      | 2     | MICPRC1, LBYMCP1    |              |
| FBKCTRL      | INTRODUCTION TO FEEDBACK CONTROL SYSTEMS      | 3     | CT-MATH             |              |
| MICPRC2      | MICROPROCESSOR/MICROCONTROLLER TECH 2         | 3     | MICPRC1, LBYMCP1    | LBYMCP2      |
| LBYMCP2      | LAB FOR MICROPROCESSOR/MICROCONTROLLER 2      | 1     | MICPRC1, LBYMCP1    | MICPRC2      |
| CSELEC2      | COMPUTER SYSTEMS ENGINEERING ELECTIVE 2       | 3     |                     |              |
| SCIMATB      | NATURAL SCIENCE NEW MATERIALS TRACK - BIO LEC | 1     |                     |              |
| LBYMATB      | NATURAL SCIENCE NEW MATERIALS TRACK - BIO LAB | 1     |                     |              |
| <b>TOTAL</b> |   | 14    |                     |              |

**ACADEMIC YEAR 2014-2015**

| FIRST TERM   |  |       |                     |              |
|--------------|--|-------|---------------------|--------------|
| SUBJECTS     | COURSE TITLE                                   | UNITS | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
| TREDFOR      | THE CHRISTIAN VOCATION TO LIFE                 | 3     | TREDTRI             |              |
| HUMAART      | INTRODUCTION TO ART                            | 3     | ENGLRES             |              |
| KASPIL1      | BUHAY, MGA SINULAT AT NAGAWA NI DR. JOSE RIZAL | 3     |                     |              |
| THSCE-1      | THESIS FOR CSE STUDENTS                        | 2     | CTRESME             |              |
| PRC-CSE      | PRACTICUM FOR CSE STUDENTS                     | 1     | (CTRESME)           |              |
| CSELEC3      | COMPUTER SYSTEMS ENGINEERING ELECTIVE 3        | 3     |                     |              |
| LASARE3      | LASALLIAN RECOLLECTION 3                       | 0     | LASARE2             |              |
| PERSEF3      | PERSONAL EFFECTIVENESS 3                       | (2)   | PERSEF2             |              |
| <b>TOTAL</b> |  | 15(2) |                     |              |

**SECOND TERM**

| SUBJECTS     | COURSE TITLE                            | UNITS | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
|--------------|---|-------|---------------------|--------------|
| KASPIL2      | KASAYSAYAN NG PILIPINAS                 | 3     | KASPIL1             |              |
| WEBDEVE      | WEB APPLICATION DEVELOPMENT             | 3     | OBJECTP             |              |
| THSCE-2      | THESIS 2 FOR CSE STUDENTS               | 2     | THSCE-1             |              |
| GREATWK      | THE GREAT WORKS                         | 3     |                     |              |
| CSELEC4      | COMPUTER SYSTEMS ENGINEERING ELECTIVE 4 | 3     |                     |              |
| SPELEC2      | SPECIAL ELECTIVE 2                      | 3     |                     |              |
| <b>TOTAL</b> |   | 17    |                     |              |

**THIRD TERM**

| SUBJECTS     | COURSE TITLE                         | UNITS | PRE-REQ.(SOFT-REQ.) | CO-REQUISITE |
|--------------|--------------------------------------|-------|---------------------|--------------|
| HUMALIT      | INTRODUCTION TO LITERATURE           | 3     | ENGLRES             |              |
| MODESTA      | MODELLING, SIMULATION AND STATISTICS | 3     |                     |              |
| THSCE-3      | THESIS 3 FOR CSE STUDENTS            | 2     | THSCE-2             |              |
| INTFILO      | INTRODUCTORY PHILOSOPHY              | 3     |                     |              |
| SPELEC3      | SPECIAL ELECTIVE 3                   | 3     |                     |              |
| <b>TOTAL</b> |                                      | 14    |                     |              |

**TOTAL ACADEMIC UNITS = 188**  
**TOTAL NON-ACADEMIC UNITS = (12.5)**

**NOTES:**

**CHOICES FOR MAJOR ELECTIVES:**

**Robotics Track:**  
 Electronic Circuit Design  
 Introduction to PIC Microcontrollers  
 Mobile Robots Fundamentals  
 Digital Image Processing

**Digital Signal Processing Track:**

Real Time Digital Signal Processing  
 Speech Processing  
 Digital Audio Processing  
 Digital Image Processing

**POSSIBLE COURSES FOR SPECIAL ELECTIVES:**

Technopreneurship, Foreign Languages

**TO THE STUDENT:**

1. Please note that courses should not be enrolled without passing their respective pre-requisites and taking (not necessarily passed) their soft-requisites. Be reminded that not following so will cause the courses to be INVALIDATED.

2. This checklist is tentative and subject to change.

Please be guided accordingly. Thank you.

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Last Modified: March 04, 2011