

PAMANTASAN NG CABUYAO**Curriculum**

Katapatan Subd., Banaybanay, City of Cabuyao, Laguna

Computer Engineering - (none)

2015

| Course Code | Description | Lec Unit | Lab Unit | Pre-Requisite | Pro. Course |
|------------------------------|--|-----------------|-----------------|----------------------|--------------------|
| <u>1st yr/1st sem</u> | | | | | |
| CHEM1 | General Chemistry | 3 | 2 | None | NO |
| ENG1 | Communication Skills 1 | 3 | 0 | None | NO |
| MATH1 | College Algebra | 3 | 0 | None | NO |
| MATH2e | Plane & Spherical Trigonometry | 3 | 0 | None | NO |
| FIL1 | Komunikasyon sa Akademikong Filipino | 3 | 0 | None | NO |
| NSTP1 | National Service Training Program 1 | 3 | 0 | None | NO |
| PE1 | Foundation of Physical Education & Health | 2 | 0 | None | NO |
| SOCSCI1 | Sociology w/ Family Planning & HIV Education | 3 | 0 | None | NO |
| Total Units | | 23 | 2 | | |
| <u>1st yr/2nd sem</u> | | | | | |
| MATH3 | Analytic Geometry | 3 | 0 | MATH1; MATH2e; | NO |
| DRAW1 | Engineering & Technical Drawing 1 | 1 | 0 | None | NO |
| MATH4e | Solid Mensuration | 2 | 0 | MATH1; MATH2e; | NO |
| MATH1a | Advanced Algebra | 2 | 0 | MATH1; | NO |
| CSC1a | Computer Fundamentals & Programming 1 | 1 | 0 | None | NO |
| ENG2 | Communication Skills 2 | 3 | 0 | ENG1; | NO |
| FIL2 | Pagbasa at Pagsulat Tungo sa Pananaliksik | 3 | 0 | FIL1; | NO |
| NSTP2 | National Service Training Program 2 | 3 | 0 | NSTP1; | NO |
| PHYSICS11e | Physics 1 | 3 | 1 | MATH1; MATH2e; | NO |
| PE2 | Gymnastics/Rhythmic Activities | 2 | 0 | PE1; | NO |
| Total Units | | 23 | 1 | | |
| <u>2nd yr/1st sem</u> | | | | | |
| HIST2 | Asian Civilization | 3 | 0 | None | NO |
| SOCSCI2 | Philippine Government & Constitution | 3 | 0 | SOCSCI1; | NO |
| ENG3 | Fundamentals of Speech Communication | 3 | 0 | ENG2; | NO |
| CSC1b | Computer Fundamentals & Programming 2 | 1 | 0 | CSC1a; | NO |
| HUM1 | Introduction to Humanities | 3 | 0 | ENG2; | NO |
| MATH1b | Discrete Mathematics | 3 | 0 | MATH1; | NO |

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| | | | | | |
|------------|------------------------|--------------------|-----------|------------------------------|----|
| PHYSICS12e | Physics 2 | 3 | 1 | PHYSICS11e; | NO |
| MATH5e | Differential Calculus | 4 | 0 | MATH1a; MATH3; MATH4e; | NO |
| PE3 | Individual/Dual Sports | 2 | 0 | PE1; | NO |
| | | Total Units | 25 | 1 | |

2nd yr/2nd sem

| | | | | | |
|--------|--|--------------------|-----------|----------------------|----|
| ENG4 | Business, Technical and Report Writing | 3 | 0 | ENG3; | NO |
| MGT1 | Engineering Management | 3 | 0 | 2nd Year Standing | NO |
| STAT1 | Basic & Applied Statistics | 3 | 0 | MATH1; | NO |
| PE4 | Team Sports | 2 | 0 | PE1; | NO |
| HUM2 | Art Education & Appreciation | 3 | 0 | HUM1; | NO |
| MATH6e | Integral Calculus | 4 | 0 | MATH5e; | NO |
| DRAW2 | Computer Aided Drafting | 1 | 0 | DRAW1; | NO |
| RIZAL | Life & Works of Rizal | 3 | 0 | None | NO |
| CS105e | Data Structure & Algorithm Analysis | 3 | 1 | CSC1b; | NO |
| | | Total Units | 25 | 1 | |

3rd yr/1st sem

| | | | | | |
|-----------|--|--------------------|-----------|------------------------|----|
| MECH1 | Statics of Rigid Bodies | 3 | 0 | PHYSICS11e; MATH6e; | NO |
| MATH7 | Differential Equations | 3 | 0 | MATH6e; | NO |
| ELECTR11b | Electronic Devices & Circuits | 3 | 1 | PHYSICS12e; MATH6e; | NO |
| CIRCUIT11 | Circuits 1 | 3 | 1 | PHYSICS12e; MATH6e; | NO |
| CS101 | Computer Hardware Fundamentals | 1 | 0 | None | NO |
| STS | Science, Technology & Society | 3 | 0 | HUM2; | NO |
| CpE101 | Computer Engineering Drafting & Design | 1 | 0 | 3rd Year Standing | NO |
| ENGECO | Engineering Economy | 3 | 0 | MATH1; | NO |
| | | Total Units | 20 | 2 | |

3rd yr/2nd sem

| | | | | | |
|----------|---|---|---|------------|----|
| CpE131 | Computer System Organization w/ Assembly Language | 3 | 1 | CS105e; | NO |
| MATH8 | Advanced Engineering Mathematics | 3 | 0 | MATH7; | NO |
| ELECTR12 | Electronic Circuits Analysis & Design | 3 | 1 | ELECTR11b; | NO |

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|--------------------|-----------------------------------|-----------|----------|------------|----|
| MECH2 | Dynamics of Rigid Bodies | 2 | 0 | MECH1; | NO |
| CIRCUIT12 | Circuits 2 | 3 | 1 | CIRCUIT11; | NO |
| ECE112 | Logic Circuits & Switching Theory | 3 | 1 | ELECTR11b; | NO |
| Total Units | | 17 | 4 | | |

4th yr/1st sem

| | | | | | |
|--------------------|--------------------------------|-----------|----------|------------|----|
| MECH3 | Mechanics of Deformable Bodies | 3 | 0 | MECH2; | NO |
| CpE121 | Advanced Logic Circuits Design | 3 | 1 | ECE112; | NO |
| CS107 | Object Oriented Programming | 3 | 0 | CS105e; | NO |
| ECE101 | Microprocessor System | 3 | 1 | ECE112; | NO |
| | | | | CpE131; | |
| CpE111 | Control Systems | 3 | 1 | CIRCUIT12; | NO |
| | | | | ELECTR12; | |
| CpE141 | Principles of Communications | 3 | 0 | CIRCUIT12; | NO |
| | | | | ELECTR12; | |
| Total Units | | 18 | 3 | | |

4th yr/2nd sem

| | | | | | |
|--------------------|---------------------------------|-----------|----------|---------|----|
| CpE112 | Digital Signal Processing | 3 | 1 | MATH8; | NO |
| CpE11 | Management Information Systems | 2 | 1 | MATH1; | NO |
| CpE142 | Data Communications | 3 | 0 | CpE141; | NO |
| ENGI101 | Safety Management | 2 | 0 | MGT1; | NO |
| ITE15 | Software Engineering | 3 | 0 | CS105e; | NO |
| CS112a | Principles of Operating Systems | 3 | 1 | CpE131; | NO |
| ENGI100 | Environmental Engineering | 2 | 0 | CHEM1; | NO |
| | | | | MGT1; | |
| Total Units | | 18 | 3 | | |

4th yr/sum sem

| | | | | | |
|--------------------|---------------------------------|----------|----------|-------------------|----|
| ENG200 | On-The-Job Training - 240 hours | 1 | 0 | 4th Year Standing | NO |
| Total Units | | 1 | 0 | | |

5th yr/1st sem

| | | | | | |
|---------|--|---|---|---------|----|
| PSYCHO | General Psychology | 3 | 0 | None | NO |
| CpE123 | System Analysis & Design | 2 | 1 | CS105e; | NO |
| | | | | CS107; | |
| CS104a | Database Management System 1 | 2 | 1 | CpE11; | NO |
| CpE143 | Computer Networks | 3 | 1 | CpE142; | NO |
| CpE151a | Design Project 1 - Methods of Research | 2 | 0 | ECE101; | NO |

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|--------------------|------------------------------|-----------|----------|--------------------|----|
| CpE132 | Computer System Architecture | 3 | 1 | CpE131; CpE121; | NO |
| Total Units | | 15 | 4 | | |

5th yr/2nd sem

| | | | | | |
|--------------------|---|-----------|----------|----------------------|----|
| ENTREP | Entrepreneurship | 3 | 0 | 5th Year Standing | NO |
| ENG201 | Seminars & Field Trips | 1 | 0 | 5th Year Standing | NO |
| CpE151b | Design Project 2 - Project Implementation | 2 | 0 | CpE151a; | NO |
| CpE13 | Online Technology | 2 | 1 | CpE143; | NO |
| CpE113 | Engineering Ethics & Computer Laws | 2 | 0 | 5th Year Standing | NO |
| Total Units | | 10 | 1 | | |