



## COURSE DESCRIPTION

### ACT

The Associate in **Computer Technology Program (ACT)** provides knowledge and skills in the fundamental of computer programming and basic computation. The program also includes topics related to data structures, network concepts, computer organization, database management system and system analysis and design. It aims to promote analytical, critical thinking, software troubleshooting and programming skills.

### Course Duration

The Associate in Computer Technology program takes 2 years to complete.

### Career Opportunities

Computer Programmer

- Computer / Network System Administrator
- Computer / Network Support Technician
- Software Tester
- Programmer Analyst
- Network IT Administrator



## COURSE CURRICULUM

### ASSOCIATE IN COMPUTER TECHNOLOGY(ACT)

Approved as per Board of Regents Resolution No. 191 s.2012 dated May 29, 2012

#### FIRST YEAR - FIRST SEMESTER

| Subject Cd         | Description                                | Units     | Lec | Lab | Hrs/Wk | Pre  |
|--------------------|--|-----------|-----|-----|--------|------|
| Math 11            | College Algebra                            | 3         | 3   |     | 3      | none |
| Engl 11            | Study and Thinking Skills                  | 3         | 3   |     | 3      | none |
| Fil 11             | Komunikasyon sa Akademikong Filipino       | 3         | 3   |     | 3      | none |
| Soc Or 11          | Personal Development                       | 3         | 3   |     | 3      | none |
| ACT 111            | Introduction to ICT                        | 3         | 2   | 3   | 5      | none |
| Prog 1             | Programming Logic Formulation              | 3         | 2   | 3   | 5      | none |
| PE 11              | Physical Fitness & Self-testing Activities | 2         | 2   |     | 2      | none |
| NSTP 1             | National Service Training Program          | 3         | 3   |     | 3      | none |
| <b>Total Units</b> |  | <b>23</b> |     |     |        |      |

#### FIRST YEAR - SECOND SEMESTER

| Subject Cd         | Description                               | Units     | Lec | Lab | Hrs/Wk | Pre     |
|--------------------|---|-----------|-----|-----|--------|---------|
| Engl 12            | Writing in the Discipline                 | 3         | 3   |     | 3      | Engl 11 |
| Nat Sci 14a        | Mechanics and Heat                        | 3         |     |     | 3      | Math 11 |
| OP 11              | Office Procedures & Management            | 3         |     |     | 3      | none    |
| Math 12            | Plane & Spherical Trigonometry            | 3         | 3   |     | 3      | Math 11 |
| Fil 12             | Pagbasa at Pagsulat Tungo sa Pananaliksik | 3         | 3   |     | 3      | Fil 11  |
| ACT 121            | Integrated Application Software           | 3         | 2   | 3   | 5      | IT 111  |
| ACT 122            | Database Management Systems 1             | 3         | 2   | 3   | 5      | IT 111  |
| Prog 2             | Structured Computer Programming           | 3         | 2   | 3   | 5      | Prog 1  |
| PE 12              | Rhythmic Activities                       | 2         | 2   |     | 2      | PE 11   |
| NSTP 2             | National Service Training Program         | 3         | 3   |     | 3      | NSTP 1  |
| <b>Total Units</b> |   | <b>29</b> |     |     |        |         |

SECOND YEAR - FIRST SEMESTER

| Subject Cd  | Description                             | Units | Lec | Lab | Hrs/Wk | Pre             |
|-------------|---|-------|-----|-----|--------|-----------------|
| Engl 13     | Speech Communication                    | 3     | 3   |     | 3      | Engl 12         |
| ACT 211     | IT Professional Ethics, Trends & Issues | 3     | 3   |     | 3      | ACT 111         |
| Nat Sci 14b | Electricity, Magnetism & Sound          | 3     | 3   |     | 3      | Math 11/12      |
| Hum 11      | Logic & Critical Thinking               | 3     | 3   |     | 3      | none            |
| Prog 3      | Windows-Based Programming               | 3     | 2   | 3   | 5      | Prog 2          |
| ACT 212     | Data Communication & Network Management | 3     | 2   | 3   | 5      | 2nd yr standing |
| ACT 213     | PC Troubleshooting w/ Basic Electronics | 3     | 2   | 3   | 5      | 2nd yr standing |
| ACT 214     | Database Management Systems 2           | 3     | 2   | 3   | 5      | ACT 111/122     |
| PE 13       | Individual/ Dual Sports                 | 2     | 2   |     | 2      | PE 11           |
| Total Units |   | 26    |     |     |        |                 |

SECOND YEAR - SECOND SEMESTER

| Subject Cd  | Description                             | Units | Lec | Lab | Hrs/Wk | Pre             |
|-------------|---|-------|-----|-----|--------|-----------------|
| Prog 4      | Object-Oriented Programming             | 3     | 2   | 3   | 5      | Prog 3          |
| ACT 221     | Operating Systems                       | 3     | 2   | 3   | 5      | 2nd yr standing |
| Soc Sci 11  | General Psychology                      | 3     | 3   |     | 3      | none            |
| ACT 222     | Accounting Principles                   | 3     | 3   |     | 3      | ACT 111         |
| ACT 223     | Network Administration, Security & Perf | 3     | 2   | 3   | 5      | ACT 212         |
| ACT 224     | PC Hardware Troubleshooting & Servicing | 3     | 2   | 3   | 5      | ACT 213         |
| PE 14       | Team Sports/ Group Games                | 2     | 2   |     | 2      | PE 11           |
| Total Units |   | 20    |     |     |        |                 |

## FACULTY

**ALCAYNA, Elizabeth A.**  
**AYDINAN, Anna Leah B.**  
**SANTOS, Lannie May E.**  
**LOBHOY, Dhayen H.**  
**CABLINAN, Romeo P.**  
**BINWEK, Monchito L.**  
**LIGMAYO, Warren G.**  
**DANIELS, Myle Melody C.**  
**DOCULAN, Jo Ann D.**  
**CARO, Stardivary D.**  
**PINKIHAN, Michael D.**  
**GALEON, Dario H.**