

Ifugao State University
Aguinaldo Campus, Aguinaldo, Ifugao

Associate in Computer Technology (ACT)

Course Description

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
Total Units		23				
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
Total Units		29				

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				