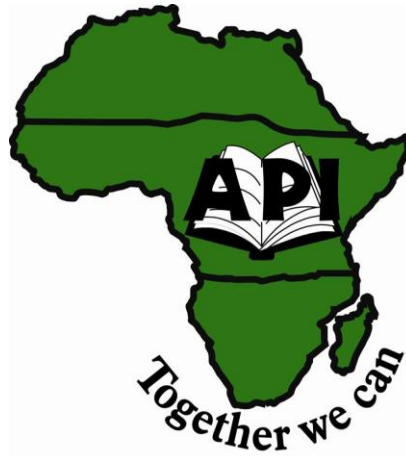


AFRICA POPULATION INSTITUTE (API)



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DIPLOMA IN INFORMATION TECHNOLOGY

The Africa Population Institute (API) is introducing a two-year undergraduate Diploma in Information Technology. This diploma program targets Advanced level secondary/high school leavers or certificate holders who wish to enhance their career in computer information communication technology.

1.1 Objective of the program

The main objective of the program is to develop personnel with theoretical and practical skills through hands on training in Information Technology who will be able to provide high quality technical support in computerized organizations.

1.2 Expected Learning Outcomes

At the completion of this program, a graduate of Diploma in Information Technology should;

- i. Understand why computing is necessary in building a strong economy
- ii. Provide technical ICT support in organizations
- iii. Demonstrate practical skills for developing software applications for solving day-today real life problems.

2 The Program

2.1 Nature of the Program

The program is full time day or evening.

2.2 Duration

The duration of the program is two academic years consisting of four semesters and one recess term. Each semester lasts seventeen (17) weeks two of which are for examinations

2.3 Target Group

The program targets A-level leavers and Certificate holders.

3 Regulations

3.1 Admission Requirements

a. Direct Entry

A candidate must satisfy the general minimum entry requirements of API. In addition, the following regulations shall hold: Candidates seeking admission through this avenue must have obtained: -

- i. The Uganda Certificate of Education (UCE) or its equivalent, with credits in English and Mathematics.
- ii. At least one principal pass and two sub-subsidiaries obtained at the same sitting in Uganda Advanced certificate of Education (UACE). In addition, the candidate must have scored at least a subsidiary in either Mathematics or Physics at A-Level or equivalent.

b. Diploma Holders

- i. At least a second Class (lower division) diploma from a recognized institution in science related field.

c. Certificate Holders:

Candidates seeking admission through the certificate holders' scheme must:

- i. Have passed Mathematics and English with at least a credit in the Uganda Certificate of Education or its equivalent

- ii. Have at least a credit certificate in computer science or related discipline from a recognized institution plus five passes at ordinary level in one sitting.

3.2 Weighting

The weighting unit is the Credit Unit (CU). The Credit Unit is a contact hour per week per semester. A contact hour is equal to (i) one lecture hour (LH), (ii) two practical hours (PH) or (iii) two tutorial hours (TH)

3.3 Semester Load and Minimum Graduation Load

The normal semester load is between 15 and 24 credit units. The minimum graduation load is 64 credit units (including completion of the recess term).

3.4 Assessment

Assessment is to be done by progressive assessments (like tests, assignments, group work) during the semester and final examination. The final examination may be purely written, purely practical or having a written and practical component. Progressive assessments constitute 30% of the final score and the final examination will constitute 70%.

3.5 Grading and Pass mark

Grading will be based on the final score for each examination using the ranges below:

Marks	Letter Grade	Grade Point
80-100	A	5.0
75-79.9	B+	4.5
70-74.9	B	4.0
65-69.9	B-	3.5
60-64.9	C+	3.0
55-59.9	C	2.5
50-54.9	C-	2.0
45-49.9	D+	1.5
40-44.9	D	1.0
35-39.9	D-	0.5

Marks	Letter Grade	Grade Point
Below 35	E	0

3.6 Progression

A student is considered to be under normal progression if he/she has a grade point of at least 2.0 in all the courses that make up his/her full semester load. A student is under probational progression if he/she has at least a course unit in his/her full semester load where the grade point is less than 2.0.

3.7 Retaking a course

The pass mark for each course unit shall be 50%. A student will retake every course unit from which he/she obtains less than 50% and a course unit can only be retaken when it is offered.

3.8 Diploma Classification

The diploma will be classified using the cumulative grade point average (CGPA)

$$CGPA = \left(\sum_{i=1}^{i=n} GP_i \times CU_i \right) \div \left(\sum_{i=1}^{i=n} CU_i \right)$$

where GP and CU represent grade points and Credit units respectively.

The diploma will be classified in accordance with the table below

CLASS	CGPA
First Class	4.4 - 5.0
Second Class - Upper Division	3.60 - 4.39
Second Class - Lower Division	2.80 - 3.59
Pass	2.00 - 2.79

3.9 Discontinuation

A student will be discontinued from the program if;

- Fails to complete the program in three years

- ii. Fails a course unit three times
- iii. Has a CGPA of less than 2.0 for three consecutive semesters
- iv.

4 The Curriculum

4.1 Knowledge Areas in the Curriculum

The curriculum caters for 6 knowledge areas which are:

1. Theoretical Computing and IT
2. Computer Assembly, Repair and Maintenance
3. Network and Systems Administration
4. Database design
5. Web Applications Development
6. Soft skills

Knowledge areas 1 and 5 are aimed at giving students knowledge and skills to be able to help them proceed for further advanced studies as well general real life skills at a work place (like communication). Knowledge skills 2, 3, 4 and 5 are to provide students with practical skills that will enable them offer technical ICT support in organizations.

4.2 Course Outline

Code	Name	CU	LH	PH	TH	CH
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Semester I: (5 Courses)

APDIT 1100	Computer Literacy	4	30	60	–	60
APDIT 1101	Communication Skills	4	45	30	–	60
APDIT 1102	Communication Technology and the Internet	3	45	–	–	45
APDIT 1103	Fundamentals of Mathematics	3	30	–	30	45
APDIT 1104	Computer Assembly, Repair and Maintenance I	3	30	30	–	45
	Total	17				

Semester II: (5 Courses)

APDIT 1200	Entrepreneurship Skills and Practice	3	30	–	30	45
APDIT 1201	Programming Fundamentals with Computer	4	45	30	–	60
APDIT 1202	Computer Assembly, Repair and Maintenance II	3	30	30	–	45
APDIT 1203	Fundamentals of Web site Design	3	30	30	–	45

APDIT 1204	Fundamentals of Database Design	3	30	30	–	45
	Total	15				

Year I, Recess Term

APDIT 1301	Practical Skills Development	4		120	-	60
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Semester III:(5 courses)

APDIT 2101	Computer Organization & Architecture	4	45	30	–	60
APDIT 2102	Web Development with Visual Basic.NET	4	45	30	–	60
APDIT 2103	Ethics in an IT Environment	3	45	-	–	45
APDIT 2104	Introduction to Numerical Methods	3	45	–	–	45
APDIT 2105	Fundamentals of Network and System Administration	4	45	30	–	60
	Total	17				

Semester IV: (5 Courses)

APDIT 2201	Object Oriented Programming Fundamentals (Java)	4	45	30	-	60
APDIT 2202	Information Management	3	45	-	–	45
APDIT 2203	Information Systems in Business	3	45	-	–	45
APDIT 2204	Research Methodology	3	45	-	–	45
APDIT 2205	E-Commerce on the Internet	3	45	-	–	60
	Total	16				

@\$200 Per Semester or its equivalent in the local currency as determined

Minimum Entry requirements: Certificates of Education of respective countries or its equivalent with at least 4 credits and principal passes

How to Apply: For Application and guidelines, come with 2 PP photos, Photocopies of academic documents and \$15 or c call **Head office on +256772836998**

For details visit us on; www.africapopulation.net

API, a Citadel of Innovations and Excellency in Transforming Generations, Together We Can