

**FIELD : CIVIL ENGINEERING**  
**SPECIALTY : TOPOGRAPHY**

## **1. OBJECTIVE OF TRAINING**

This specialty has as objective to train experts in metric readings on the field with the aim to develop plans and maps. The senior technician implements different measuring, positioning, data entry and implantation devices. He treats the data collected using appropriate technical means. His permanent concern to produce quality work requires a rigorous control with respect to safety rules.

## **2. EXPECTED SKILLS**

### **❖ General skills**

- Work independently, collaborate as a team ;
- Analysis and synthesis of professional documents (French, English) ;
- Oral, written and corporate communication skills within and without (French, English) ;
- Participate / engage in the management of the project ;
- Know and make use of professional networks and institutions of the topography sectors.

### **❖ Specific skills**

- Process the data collected using appropriate means of calculation, CAO and CAD ;
- Operate the technical documents and legal information in preparing and organising the information collected.

## **3. CAREER OPPORTUNITIES**

- Land Surveyor topographer ;
- Draftsman ;
- Surveyor ;
- Chief of Brigade ;
- Person in charge of studies.

## **4. PROGRAM DURATION**

For a period of two years, a set of theoretical and practical courses is administered to students with a view to obtaining a Higher National Diploma (NHD) sanctioned by MINESUP.

## 5. CONDITION FOR ADMISSION

### Direct registration on file study :

- A hand written application addressed to the Director of SOUTH POLYTECH ;
- A complete registration form available on campus ;
- A photocopy of birth certificate ;
- A photocopy of A/L certificate ;
- Registration fees : 35,000 FCFA ;
- File study fees : free of charge ;
- Annual medical coverage : 5,000 F CFA.

## 6. PEDAGOGICAL APPROACH

- Lectures ;
- Practical work and personal work ;
- Immersion courses in the professions accompanied by a teaching body and company executives.

## 7. EVALUATION TECHNIQUES

- Continuous monitoring for each lecture ;
- An exam session (oral or written) at the end of each semester organised according to the subjects registered for the semester ;
- Writing of an internship report defended in front of a jury at the end of the cycle ;
- National HND exam.

## 8. ORGANISATION OF TEACHINGS

### FIRST SEMESTER

Code	Course titles	Number of credits
TOP111	Mathematics I	4
TOP112	Physics and Chemistry I	5
TOP113	Topometry I	5
TOP114	Technical drawing and Cartography I	4
TOP115	Geographical System I	4
TOP116	EngineeringGeology /Topology	5
TOP113	Topometry I	5
Total		30

## SECOND SEMESTER

Code	Course titles	Number of credits
TOP121	Mathematics II	4
TOP122	Computer science I	5
TOP123	Geographical System II	4
TOP124	Technical drawing and cartography II	5
TOP125	Land tenure and estates	4
TOP126	Topometrical calculations II and Topometrical Technology II	5
TOP127	Company Creation, Civic and Moral Education	3
<b>Total</b>		<b>30</b>

## THIRD SEMESTER

Code	Course titles	Number of credits
TOP231	Mathematics III	4
TOP232	Physics and Chemistry II	5
TOP233	Geographical System III and Remote Sensing	4
TOP234	Topometrical calculations III	4
TOP235	Topometrical Technology III	4
TOP236	Urban planning and Computer Assisted Drawing	6
TOP237	Methodology of Drafting Internship Report, Law	3
<b>Total</b>		<b>30</b>

## FOURTH SEMESTER

Code	Course titles	Number of credits
TOP241	Statistics	4
TOP242	Computer Science II	5
TOP243	Topometry IV	4
TOP244	Geodesy and Remote Sensing	5
TOP245	Highways and miscellaneous networks	3
TOP246	Professional internship	6
TOP247	Accounting and Economics	3
<b>Total</b>		<b>30</b>