**FIELD OF STUDY : COMPUTER ENGINEERING**

**OPTION : COMPUTER ENGINEERING**
**SPECIALTY : COMPUTER GRAPHICS AND WEB DESIGN**

### 1- OBJECTIVES OF TRAINING

This specialty train senior technicians mastering the various aspects of the web design and that can develop a creativity in web design by using the CMS and the framework of the most requested in the companies for the creation of dynamic websites and responsifs (adoptive tablet / smartphone). They are also able to manipulate the scripts and modules to add interactivity in the achievements (slideshows, slides...) and master the technics of strengthening natural.

### 2- EXPECTED SKILLS

#### ❖ General skills

o Work in autonomy, work together as a team ;
o Analyse, synthesise, professional document (French, English) ;
o Communicate to the oral, written, in business or outside (French, English) ;
o Participate in /conduct an approach to the management of the project ;
o Know and exploit the professional networks and institutional sectors of the informatics.

#### ❖ Specific skills

o Identify the needs of client and analyse its request ;
o Master the sketches and the technics of storyboard ;
o Master the software for graphic design and animation (DTP, 2D, 3D, After Effect, Photoshop...) ;
o Design and make models mobile web and applications ;
o Master the technics of web design, the development of zoning and the dressing of pages ;
o Understanding the challenges of the technological watch ;
o Enhance the spirit of analysis ;
o Understanding the stakes of the customer relationship.

### 3- CAREER OPPORTUNITIES

o Graphic designer ;
o Graphic designer ;
o Webdesigner ;
o Motion designer ;
o Wisard studio creation.

### 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 (HND) sanctioned by MINESUP.

## 5- CONDITION FOR ADMISSION

**Direct registration on file study :**

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

## 6- PEDAGOGICAL APPROACH

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

## 7- EVALUATION TECHNIQUES

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

## 8- ORGANISATION OF TEACHINGS

• **FIRST SEMESTER**

| Code | Course titles | Number of credits |
|---|---|---|
| **CWD111** | Computer Graphics Basic Tools | 5 |
| **CWD112** | Algorithms and Information Systems | 4 |
| **CWD113** | Multimedia | 5 |
| **CWD114** | Computer Graphic Design 1 | 4 |
| **CWD115** | Pictures and Animations | 5 |
| **CWD116** | Photography and Web | 4 |
| **CWD117** | English and General Accounting | 3 |
| **Total** | | **30** |

• **SECOND SEMESTER**

| Code | Course titles | Number of credits |
|---|---|---|
| **CWD121** | Computer Systems | 4 |
| **CWD122** | Photography and photography II | 5 |
| **CWD123** | Drawing 1 | 4 |
| **CWD124** | Graphics animations | 5 |
| **CWD125** | Web integration and special effects | 5 |
| **CWD126** | Video editing | 4 |
| **CWD127** | Economies and Enterprise Organisation (EEO) and French | 3 |
| **Total** | | **30** |

• **THIRD SEMESTER**

| Code | Course titles | Number of credits |
|---|---|---|
| **CWD231** | Physical science and streaming | 4 |
| **CWD232** | Programming and project | 5 |
| **CWD233** | Graphics animation II | 5 |
| **CWD234** | Programming II | 5 |
| **CWD235** | Computer graphic design II | 4 |
| **CWD236** | Computer Aided Presentation | 4 |
| **CWD 237** | Enterprise creation and civics and moral education | 3 |
| **Total** | | **30** |

• **FOURTH SEMESTER**

| Code | Course titles | Number of credits |
|---|---|---|
| **CWD241** | Entrepreneurship | 5 |
| **CWD242** | Computer Systems II | 4 |
| **CWD243** | Drawing II and graphics animation III | 5 |
| **CWD244** | Video editing and graphic design | 5 |
| **CWD245** | Programming and administration of a web | 3 |
| **CWD246** | Internship | 6 |
| **CWD247** | General economies and Law | 3 |
| **Total** | | **30** |