

# Institute of Coding Skills Bootcamp

## Computing: History and Impact

**Location:** Swansea hybrid    **Cost:** Free

**Contact Hours:** One evening per week, 10 weeks

### Synopsis:

Computers and software are everywhere. The computer revolution has not slowed since it began in the late 1940s.

In today's digital world, where are we exactly, and how did we get here? Where might we be heading? This module will provide some historical knowledge and understanding of the origins and development of computing and data processing, and their impact on the world. The module is interdisciplinary, situating technical developments in historical contexts and reflecting on human dispositions. The module is supported by Swansea University's History of Computing Collection.

### Notes:

Open to everyone who has an interest in the History of Computing

### Assessment:

A presentation and an essay on a chosen topic.

### Syllabus:

Computing and data processing before computers; The rise of the digital: Alan Turing and friends; Computers and software; Computers and daily life; What did Wales ever do for Computing?; Where are we going? Digital dreams, controversies and nightmares.

# Cwrs Sgiliau'r Sefydliad Codio

## Cyfrifiadura: Hanes a Dylanwad

**Lleoliad:** Hybrid Abertawe **Cost:** Am ddim

**Oriau Cyswllt:** 1 noswaith yr wythnos, 10 wythnos

### **Crynodeb:**

Mae cyfrifiaduron a meddalwedd ym mhobman. Nid yw'r chwyldro cyfrifiadurol wedi arafu ers iddo ddechrau yn y 1940au hwyr.

Yn y byd digidol, ble yn union ydyn ni, a sut gyrhaeddon ni yma? Ble ydyn ni'n mynd? Bydd y modiwl hwn yn darparu gwybodaeth a dealltwriaeth hanesyddol o darddiad a datblygiad cyfrifiadura a phrosesu data, a'u heffaith ar y byd. Mae'r modiwl yn rhyngddisgyblaethol, yn gosod datblygiadau technegol mewn cyd-destunau hanesyddol ac yn myfyrio ar dueddiadau dynol. Cefnogir y modiwl gan Gasgliad Hanes Cyfrifiadura Prifysgol Abertawe.

### **Nodiadau:**

Mae'r modiwl hwn wedi'i anelu at unigolion gyda diddordeb mewn hanes cyfrifiadura.

### **Asesiad:**

Cyflwyniad a thraethawd ar bwnc o ddewis.

### **Maes llafur:**

Cyfrifiadura a phrosesu data cyn cyfrifiaduron; Cynnydd y digidol: Alan Turing a'i ffrindiau; Cyfrifiaduron a meddalwedd; Cyfrifiaduron a bywyd bob dydd; Beth wnaeth Cymru ar gyfer Cyfrifiadura?; Ble rydyn ni'n mynd? Breuddwydion, dadleuon a hunllefau digidol.