Communication and Computer Engineering (CCE)
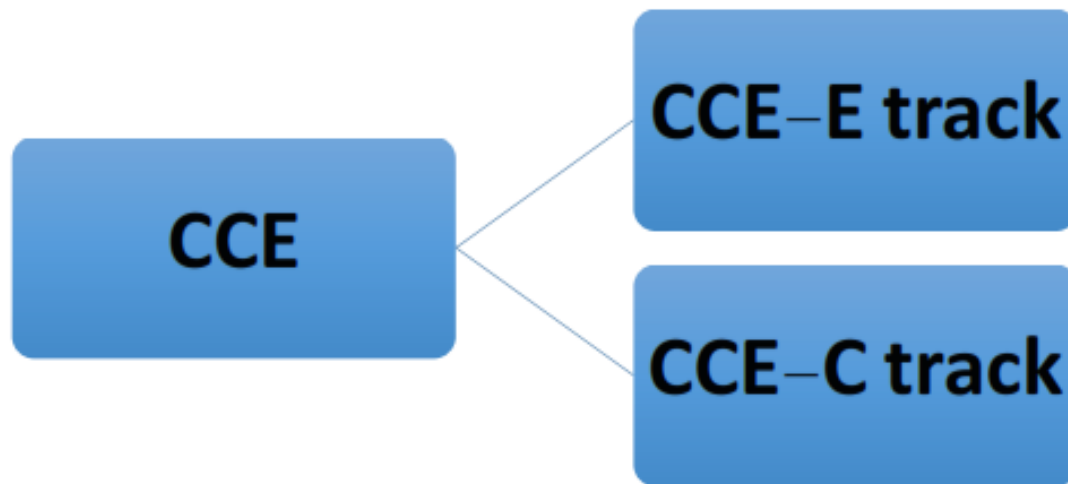
Cairo University
Faculty of Engineering

CCE Tracks

Communication and Computer Engineering

CCE → CCE–E track

CCE → CCE–C track

Overview

- ☐ **What is CCE-E?**
- ☐ **What do CCE-Es do?**
- ☐ **Why CCE-E?**
- ☐ **What do CCE-Es learn?**
- ☐ **What careers await CCE-Es graduates?**

What is CCE-E?

Electrical Engineers are inventors and innovators who apply knowledge of signals, circuits, physics, and systems to develop technologies to improve people's lives

What is CCE-E?

Tremendous impact on the world

What do CCE-Es do?

☐ Develop technologies for easier life…
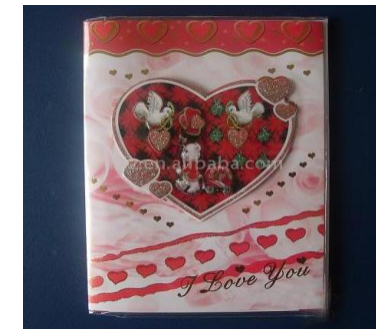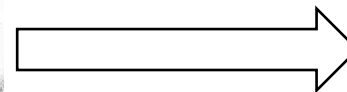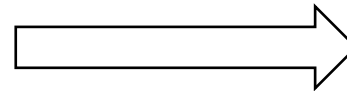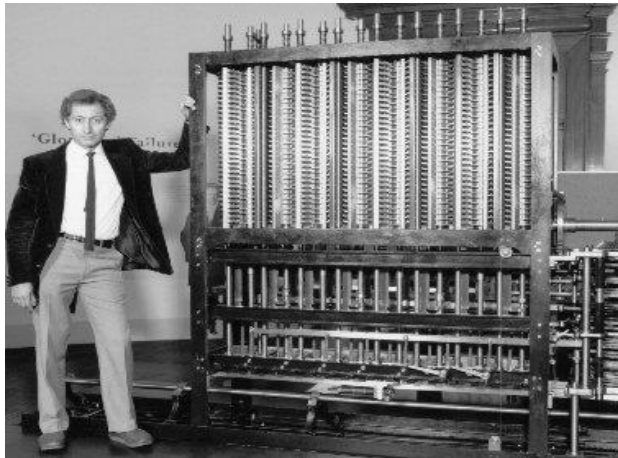
What do CCE-Es do?

A degree in **CCE-E** is one of the most flexible and powerful undergraduate degrees you can get!

Hardware

Software

Project Lead

Systems Design

Marketing

Management

CEO

Consulting

Entrepreneur
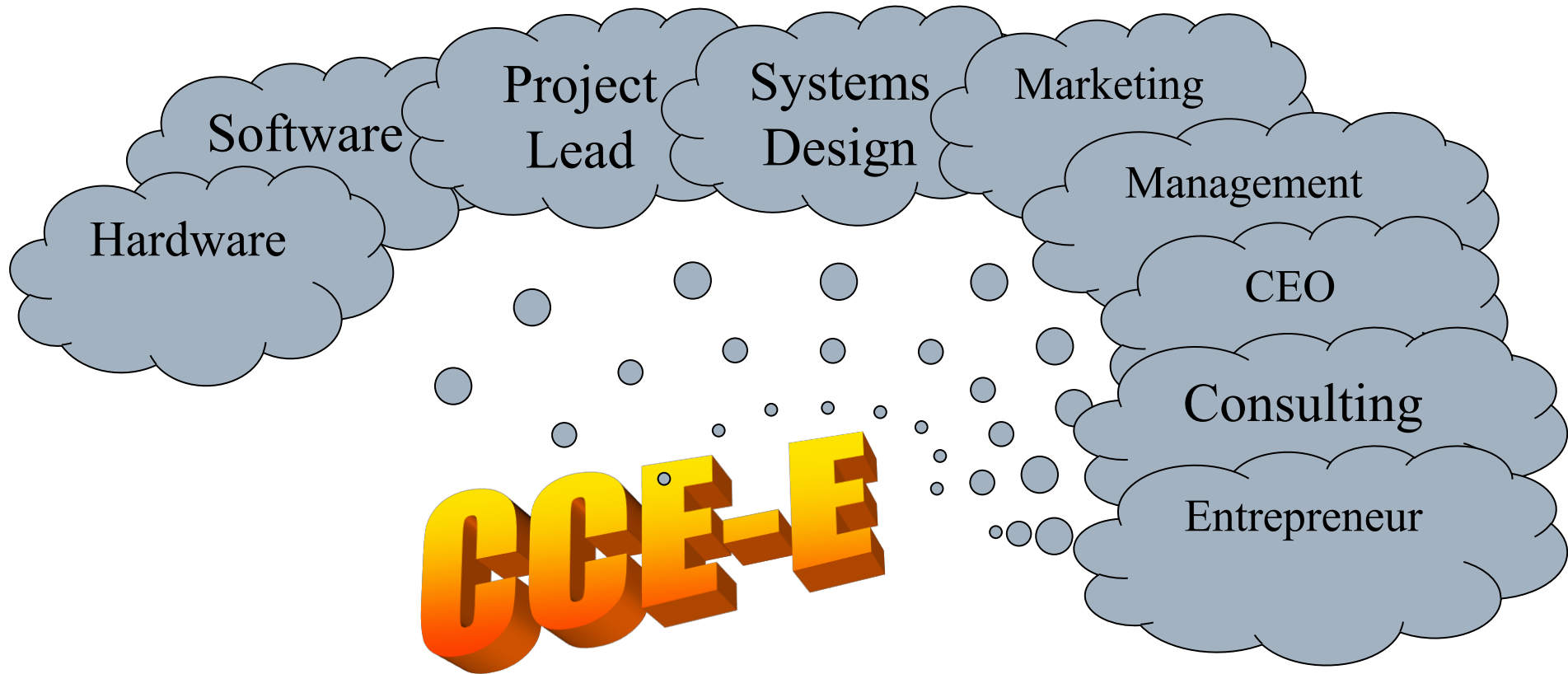
CCE-E

What do CCE-Es do?

☐ Easier to communicate

■ **Collaborate with Computer Engineering**

What do CCE-Es do?

☐ Easier to get energy

■ **Collaborate with Mechanical Engineering**

What do CCE-Es do?

☐ Easier to get energy

■ **Collaborate with Material Science and Physics**

What do CCE-Es do?

☐ Easier to travel..

■ **Collaborate with Mechanical/Computer Engineering**

What do CCE-Es do?

☐ Easier to be healthy
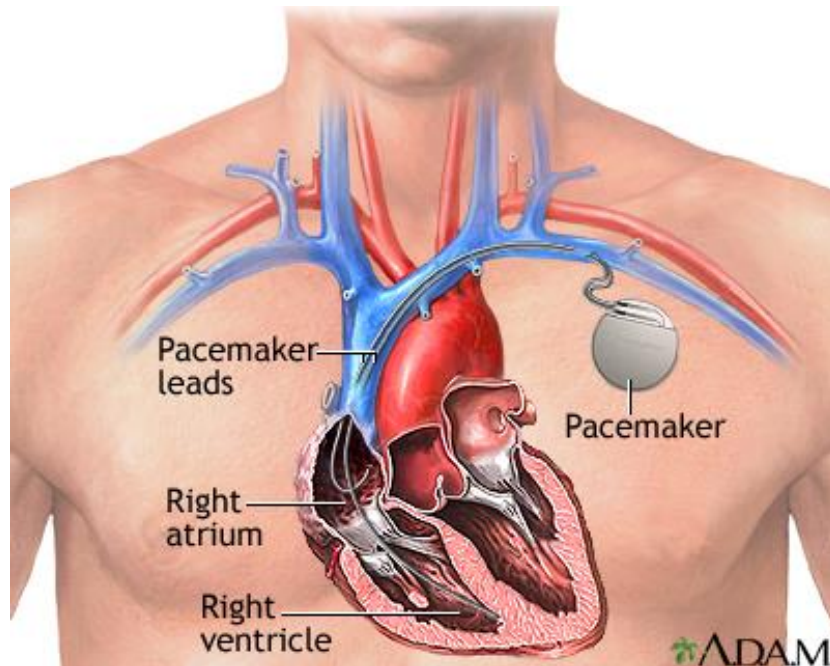
■ **Collaborate with Biomedical Engineering/Medicine**

Why CCE-E?

- Make a difference
- High satisfaction
- High flexibility
- High demand
- High pay

Why CCE-E?

- **Love work AND live life, too**
- **Be creative, solve problems**
- **Work with great people**
- **Design things that matter**
- **Never be bored**
- **Make a big salary**
- **Enjoy job flexibility**
- **CHANGE THE WORLD**

What do CCE-Es learn?

- ☐ **Circuits and Electronics**
- ☐ **Embedded systems**
- ☐ **Communication systems**
- ☐ **Optical fibers and antennas**
- ☐ **Computer programming and architecture**
- ☐ **Computer networks**
- ☐ **Digital/Analog design**

CHS Bachelor Programs - Communication and Computer Engineering (CCE)

Section 3

Communication and Computer Engineering Program (CCE)

Based on Credit Hours System (CHS)

September 2013

Cairo University, Faculty of Engineering

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What do CCEs learn?

Course Map – Communication & Computer Engineering
Major in Communication Engineering (CCE-E) 2018/2019

CCE-C Course Map 2018
175 Hours
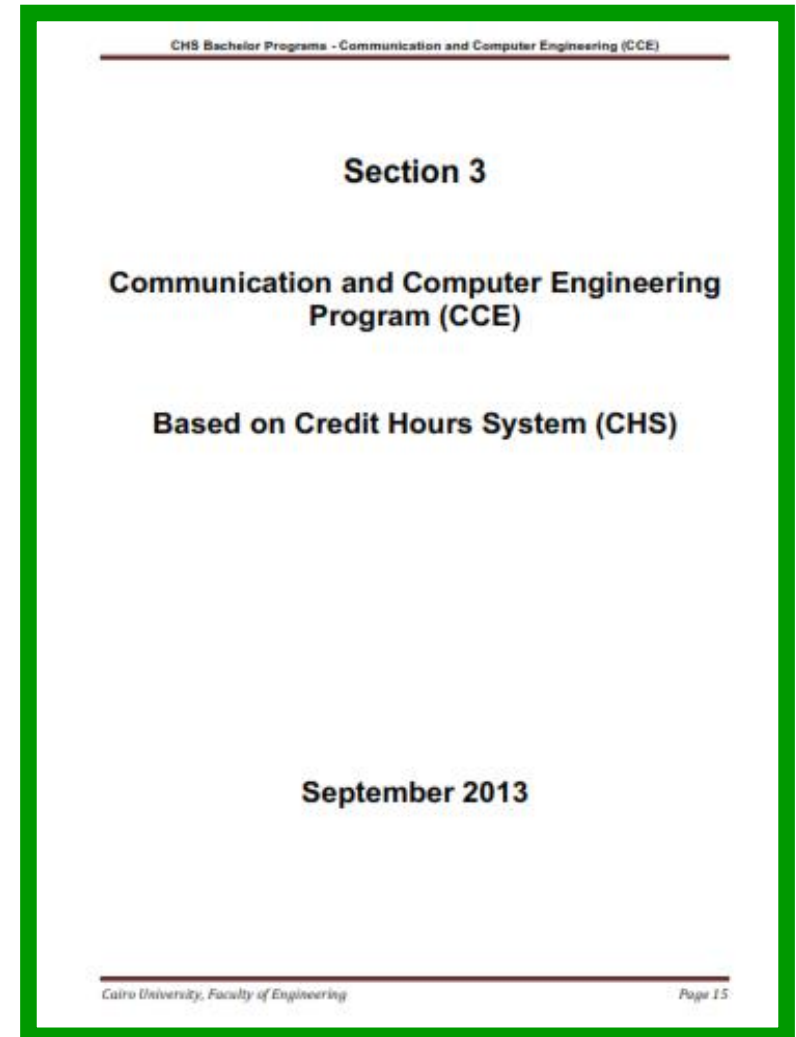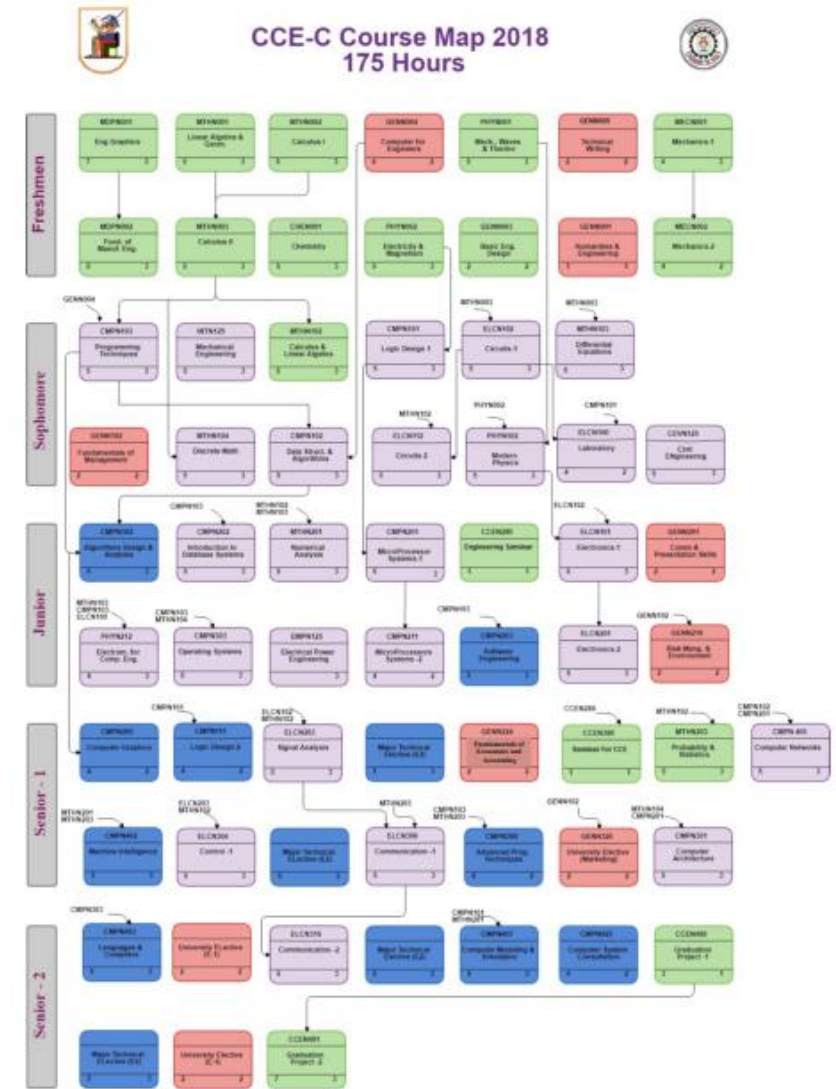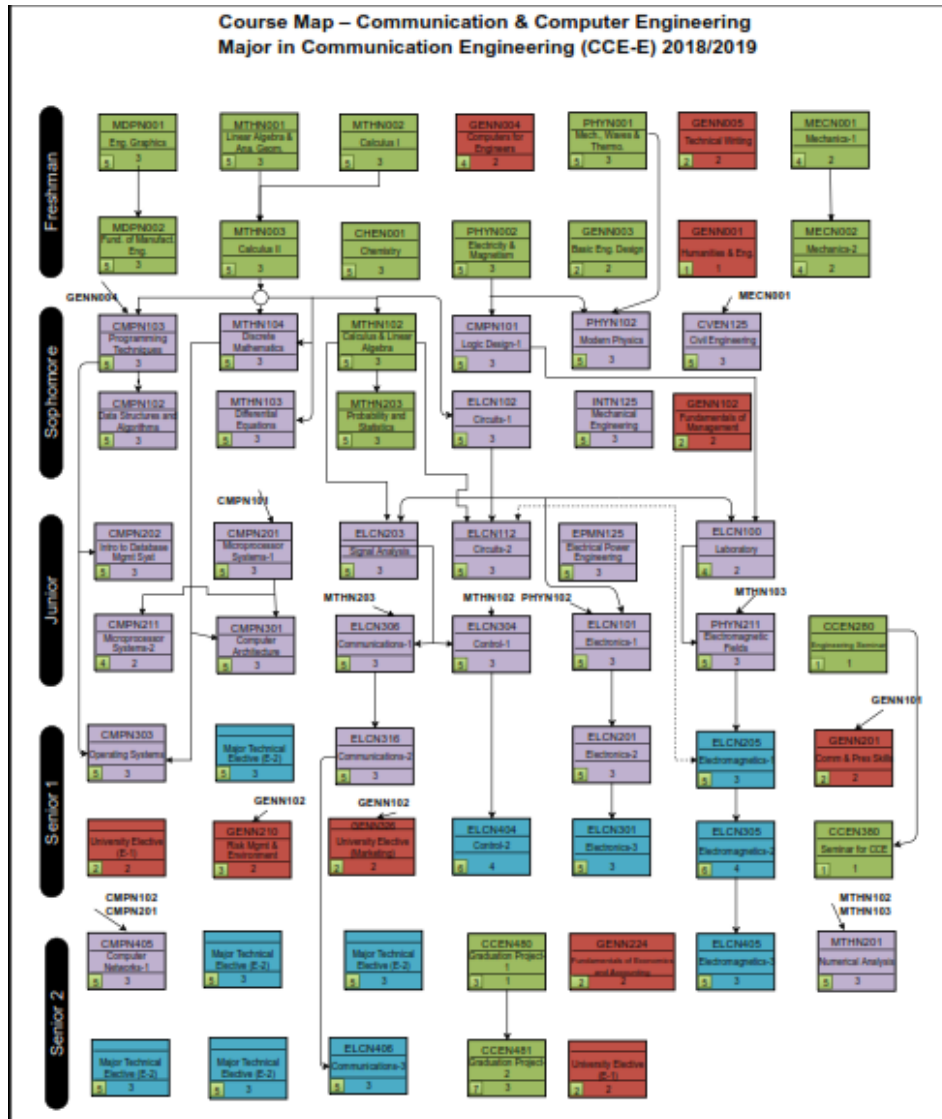
What careers await CCE-Es graduates?

☐ **Companies our students go to work at:**

■ **Telecommunications:**

■ **IT Products :**

What careers await CCE-Es graduates?

☐ **Companies our students go to work at:**

■ **Embedded systems:**

■ **Electronics:**

What careers await CCE-Es graduates?

- ☐ **Companies our students go to work at:**
  - ◼ **And many more companies……**

- ☐ **Salary range:**
  - ◼ **Reported starting salaries: $1100/month at Synopsys/Mentor Graphics.**
  - ◼ **Reported starting salaries: 12500LE/month at Valeo/NI**
  - ◼ **Reported starting salaries: 9500LE/month at Vodafone/Orange/Etisalat/Huawei**

What careers await CCE-Es graduates?

☐ New technologies:

- ■ **Nanotechnology**

- ■ **Renewable Energy**

- ■ **Intelligent systems**

- ■ **Robotics**

- ■ **IoT : Internet of Things**

- ■ **SDR: Software Defined Radio**

- ■ **Big Data Analysis**

What careers await CCE-Es graduates?

- ☐ **Research at top universities**
  - ◼ **Internship, Master, and PhD programs**
- ☐ **Startup companies**
- ☐ **Research and Development**
  - ◼ **International companies**
- ☐ **Academic positions**
  - ◼ **Private Universities**

What careers await CCE-Es graduates?

Come be an CCE-E and *Make a Difference*