# Communication and Computer Engineering (CCE)

# Cairo University Faculty of Engineering



#### Overview



- What is CCE?
- What do CCEs do?
- ☐ Why CCE?
- What do CCEs learn?
- □ What careers await CCE graduates?



#### What is CCE?



who apply knowledge of hardware circuits, computer software and systems to develop technologies to improve people's lives



#### What is CCE?





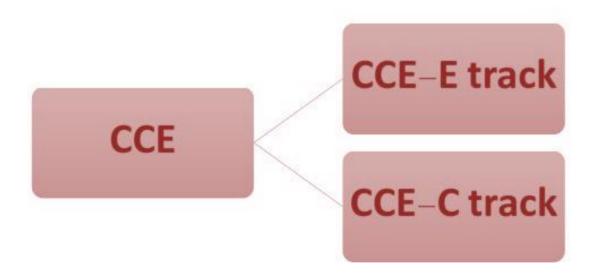


#### Tremendous impact on the world

#### **CCE Tracks**

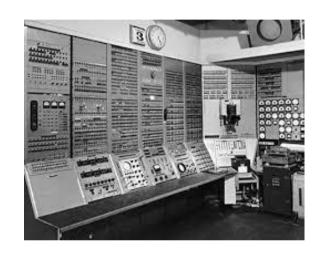


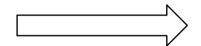
### Communication and Computer Engineering





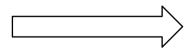
□ Develop technologies for easier life...







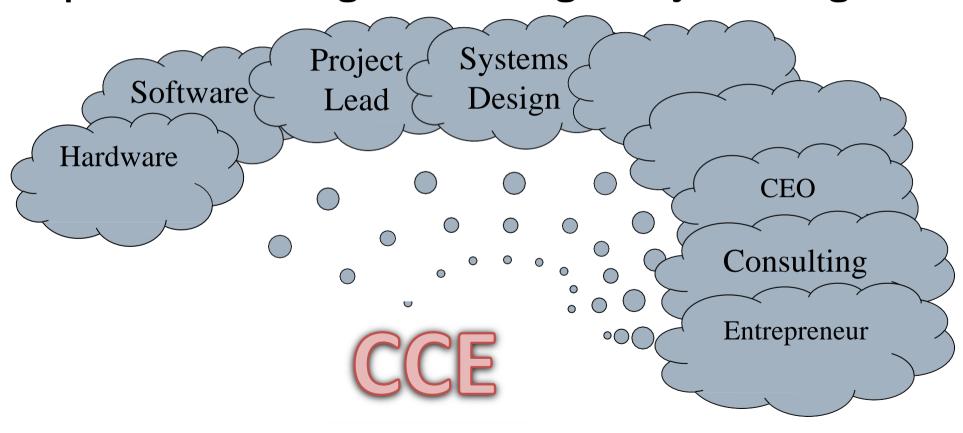








A degree in CCE is one of the most flexible and powerful undergraduate degrees you can get!





#### ☐ Easier to communicate







☐ Easier to get energy





☐ Easier to get energy





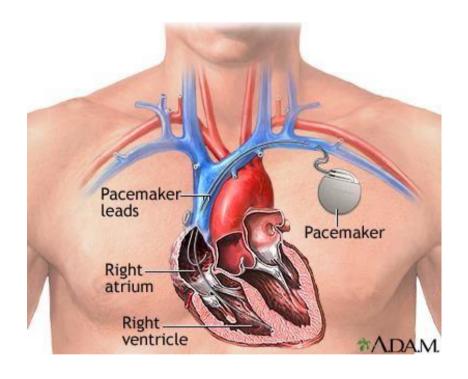
☐ Easier to travel...







#### ☐ Easier to be healthy





## Why CCE?

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



## Why CCE?



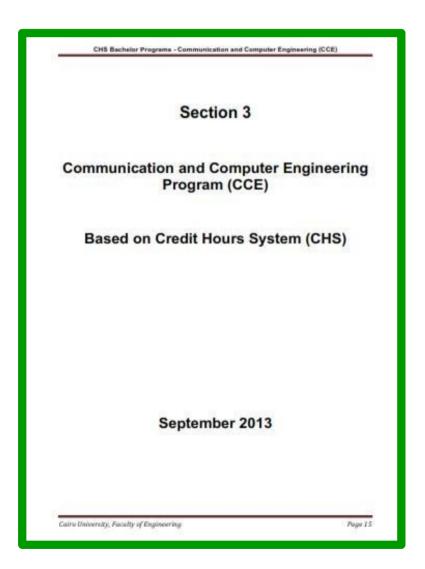
- Love work AND live life, too
- Be creative, solve problems
- Work with great people
- Design things that matter
- Never be bored
- Make a big salary
- Enjoy job flexibility
- CHANGE THE WORLD



#### What do CCEs learn?

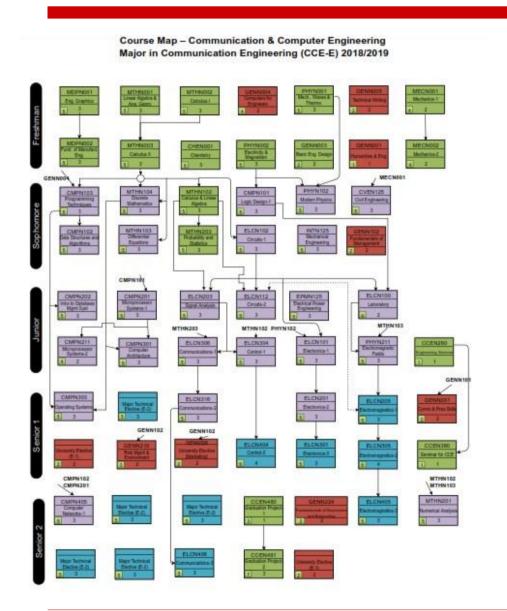


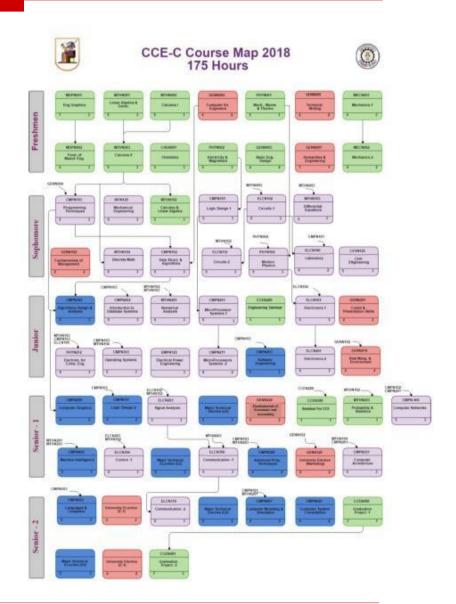
- Circuits and Electronics
- Communication systems
- Optical fibers and antennas
- Computer programming and architecture
- Computer networks
- Embedded systems
- Digital/Analog design
- Software engineering
- Machine learning



#### What do CCEs learn?









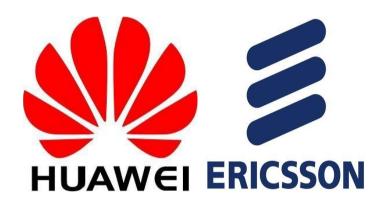
- □ Companies our students go to work at:
  - Telecommunications:









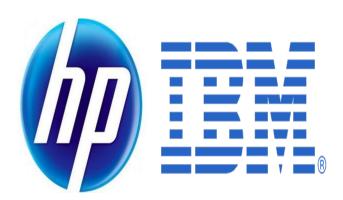


#### IT Products:











- Companies our students go to work at:
  - Embedded systems:











Electronics:











- 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



#### ■ New technologies:

- Intelligent systems
- Internet of Things (IoT)
- Renewable Energy
- Nanotechnology
- Robotics
- SDR: Software Defined Radios and Networks
- Big Data Analysis
- Cloud Computing
- Blockchain



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

# Become an CCE and Make a Difference