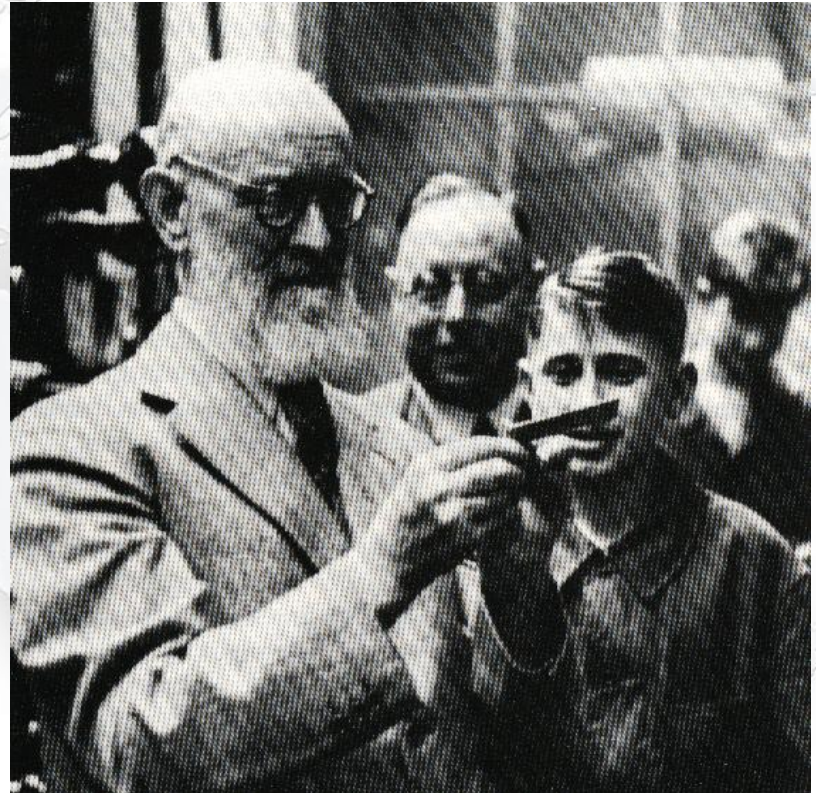


## Bosch Apprenticeship Beginning

In 1886, Robert Bosch founded his company with one technician and one apprentice.

That commitment to the skills needed to maintain quality products continues today.

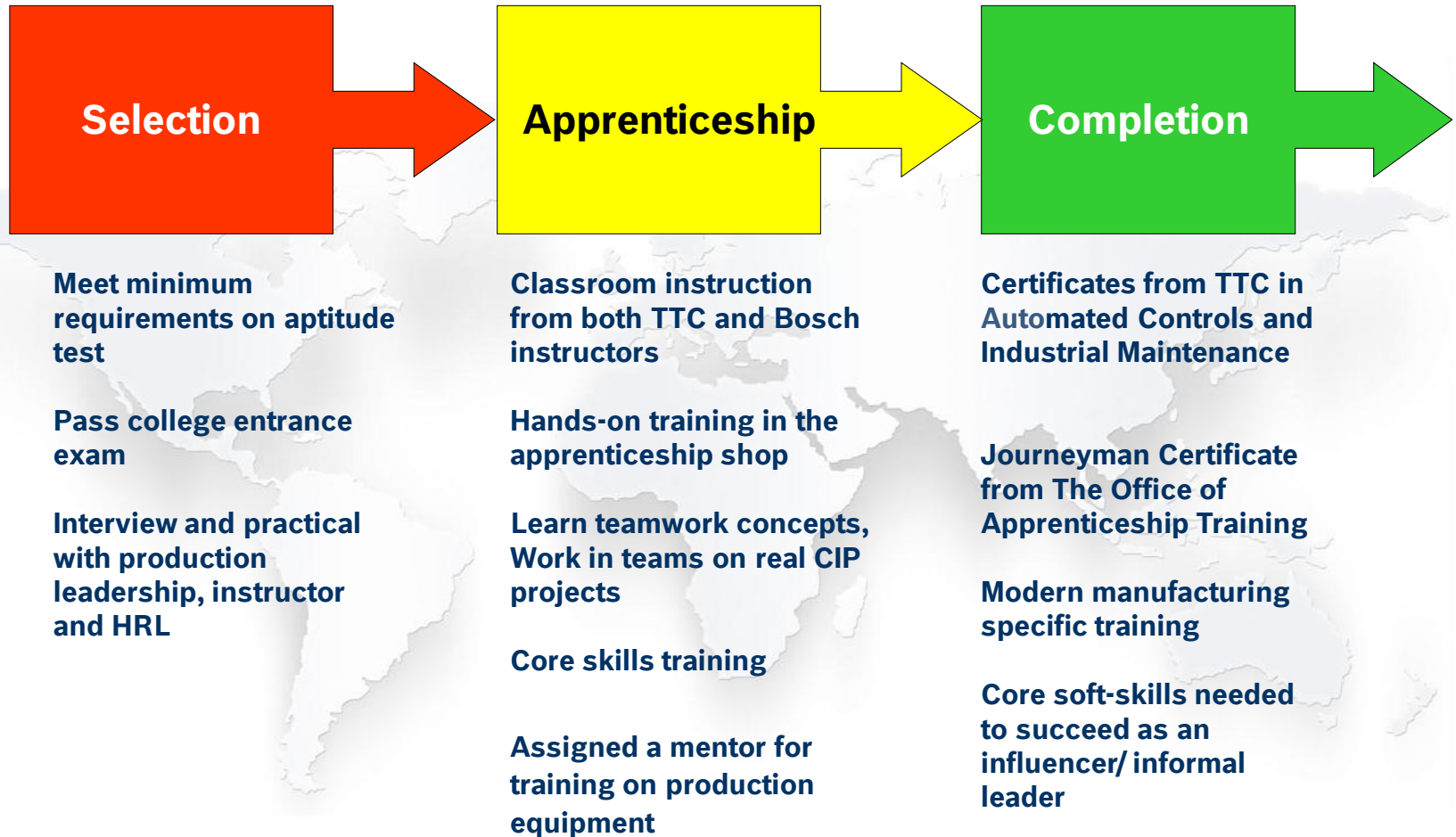


# ChP Apprenticeship Program-2015

- The first Charleston Apprenticeship class graduated in 1979
- There have been 344 apprenticeship graduates from the program as of January 2015; We currently have 23 first year Apprentices
- Registered Training programs consist of Set-Up/Maintenance Mechanic, Maintenance Electricians, Tool Makers and Mechatronics Technician
- Apprentices are trained to the core competencies identified in the current Job and Task analysis



# ChP Apprenticeship Program-2015



# ChP Apprenticeship Program-2015 - Curriculum

**Year 1**

- Semester 1
- Measurement
  - Print Reading
  - Machine Tool 1 \*
  - DC Circuits 1/2
  - Algebra Geometry, Trigonometry

- Semester 2
- Machine Tool 2 \*
  - Hydraulics
  - Pneumatics
  - AC Circuits 1/2
  - Industrial Computer Techniques

- Semester3
- Bosch Safety \*
  - Sensor Technology\*
  - Problem Solving for Mechanical Applications
  - Solid State Devices

**Year 2**

- Semester 1
- Programmable controllers
  - Solid State Devices
  - Electro-Pneumatic trouble shooting\*
  - Machining Metals

- Semester 2
- Siemens PLC interface\*
  - AC/DC Drives
  - Programmable Controller Applications

- Semester 3
- Principles of CNC
  - CNC operations
  - CNC programming
  - Robotics\*

**Year 3**

- Semester 1
- Electrical and Mechanical Rotations with mentors

- Semester 2
- Electrical and Mechanical Rotations with mentors

Placement

\* Bosch Course

