

# Careers in Electronics & Communications Engineers

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July 28, 2016

# Major fields

- Higher education
- Govt. jobs (through UPSC)
- PSUs (public sector undertakings)
- Private Jobs / MNCs
- Learning more skills
- Own venture
- Administration services

# Higher education

- M.Tech.: IIT/NIT/BITS/MS, ME: USA, Australia, Europe
- Having Master will certainly improve your career prospectus, particularly in MNCs
  - Requirement: GATE, with percentile  $> 90\%$
  - Preparation: right from beginning (II yr onwards)
  - Can do one years prep. after B.Tech.
  - Requires thorough and dedicated study
  - In almost all IITs, GATE is the only criteria
  - B.tech. project & seminar important where interview is held
  - More details can be found from their websites/Google

# Higher education: MS

- For MS in US: TOEFL and GRE
- All major universities in US offer MS programs:  
MIT, Stanford, UC, Univ illn, Cal. Inst of Techn.,  
Carnegie Mellon, ...
- Europe Destinations: UK, Netherlands, Sweden,  
Switzerland, Germany,

- PSUs, BHEL, ISRO, HAL, BSNL, DRDA, BARC, Indian Railways, Defense
  - GATE is compulsory in majority of Govt. jobs and PSUs
  - All requires strong base in concepts of the courses
  - All have written tests for screening, followed with interviews
  - Direct interviews for GATE qualified in some organizations

- BEL
- ECIL
- HPCL
- ONGC
- HPCL
- NTPC
- AIR India, Airport authority ..
- Banking

# Private & MNCs: Major fields

- Controls
- Home appliances
- Robotics & automation
- Entertainment Industries
- Components & IC manufacturing companies
- Instruments & Process Industries: Honeywell, FoxBoro,
- Smart phones
- Embedded Systems
- Computers, laptops, and related
- Power Electronics
- Consumer electronics
- VLSI

# Top companies which offer jobs to electronics Engineers

- Texas Instruments
- Intel
- AMD
- CISCO
- IBM
- Samsung
- Sony
- Toshiba
- NVidia
- HP
- LG Electronics
- BHEL, ECIL, NTPC, Wipro, ISRO, Syntel



# Skill set Required for getting jobs

<b>Job category</b>	<b>Required skill set</b>	<b>Job openings</b>
VLSI Circuit Design Chip Design	Verilog & VHDL Electronic Circuit design- basic	VLSI Jobs Circuit design- jobs
Mobile - Communication	Network switching, commn. basics, VOIP, Interactive voice recognition	Telecom Jobs
Networking	CCNA or CCNP Certification	CCNA & CCNP

# Careers search on web

- <http://www.engineering.careers360.com/articles/psu-recruitment-through-gate-2016>
- <http://www.gate2016.info/psus-information/psus-through-gate/>
- Search for “Electronics Communication Engineering jobs”
  - 1 <http://www.naukri.com/electronics-engineer-jobs>
  - 2 <https://www.freshersworld.com/electronics-communication-engineering> (Site for Electronic Communication Freshers Jobs)
  - 3 Dice.com: Tech Jobs ( US Contract and Permanent IT Jobs)
  - 4 [studyabroadcoulselling.blogspot.in/](http://studyabroadcoulselling.blogspot.in/) (put your query)
  - 5 <http://www.quora.com> (say Q. An an electronics & comm engr how can i go Europe for ...)

# Learning more skills - Online

- Edx.org: Communication, CS, Data Analysis, Education & trg, Electronics, ...Free online courses from worlds best universities
- coursera.org: Free online courses from words top universities: Personal development, computer science, data science.
- MIT Free online courses
- Code.org: Any body can learn coding in any language
- codechef.com : Practice, compete, discuss.